

65TH CONGRESS | 3d Session

HOUSE OF REPRESENTATIVES

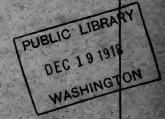
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ANNUAL REPORT OF THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA YEAR ENDED JUNE 30, 1918

Vol. III

REPORT OF
THE HEALTH OFFICER







65TH CONGRESS }

HOUSE OF REPRESENTATIVES

No. 1431

ANNUAL REPORT OF THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA YEAR ENDED JUNE 30, 1918

Vol. III

REPORT OF THE HEALTH OFFICER





OFFICERS AND EMPLOYES OF THE HEALTH DEPARTMENT.

June 30, 1918.

Health officer.

WILLIAM C. WOODWARD, M. D.

Assistant health officer.
WILLIAM C. FOWLER, M. D.

Chief clerk and deputy health officer.

ARTHUR G. COLE.

Clerks.

S. PHILLIPS.
E. LUCAS.
J. C. MADDOX, Jr.
W. O. ROOME, Jr.

W. E. TURTON.
J. J. KING.
H. L. KING.
W. G. SCHWEITZER.

T. W. Parsons. L. H. Crowe. M. Lucille Gardiner.

Chief sanitary inspector.
C. R. Holman.

Assistant chief sanitary inspector.
J. F. Butts.

Chief food inspector.
R. R. Ashworth, D. V. S.

Assistant chief food inspector.
R. S. Wilson.

Serologist.
W. F. LANDON, B. S.

Bacteriologist.
L. V. DIETER, Phar. D.

Assistant bacteriologists.
J. E. Walsh, M. D.
Roy C. Frost.

Chief, Bureau of Vital Statistics. A. C. Patterson, M. D.

. FATTERSON, M. D.

Chemist.
M. A. Pozen, Phar. D., B. S.

Assistant chemist.

Moses Starbecker.

Sanitary inspectors.

JOHN KISSELEFF. R. E. BECKHAM. C. H. BUCHANAN. W. R. SMITH. C. C. STAUB.

H. S. Drake, V. S. J. R. Grime, D. V. S. John Rome, D. V. S.

C. H. WELCH.
E. W. WHITAKER.
T. B. CARROLL.
J. M. HEINBUCH.

GEORGE GOTTHARDT. D. C. MALCOLM. E. J. Cross.

J. S. DUGAN.

Food inspectors.

E. HARGETT, V. M. D. M. A. SULLIVAN. W. B. DODGE. H. J. MULLIGAN. R. A. GUERRANT.

J. C. Morris. W. H. H. Hoover. H. V. Neale, D. V. M. W. W. BURDETTE. E. C. BUCKINGHAM.

Eight-hour female labor.

F. X. Down. M. L. SIMPSON.

W. L. FOWLER. S. L. GELSTON.

CAROLINE S. DAVIS. JOSEPH GOLDSTEIN, clerk.

Pound service.

G. W. RAE, poundmaster.

Laborers.

RAYMOND LEE. J. BURRILL. WM. STEWART. F. W. WILLNER. C. H. FELLS. A. R. FIELD, watchman.

Skilled laborers.

J. H. OFENSTEIN.

Messengers.

J. H. PECK.

ISAAC PINKNEY.

Contagious-disease service.

R. S. Beale, M. D., medical inspector.
LLEWELLYN ELIOT, M. D. medical inspector.
L. M. Ellison, M. D., medical inspector.
D. T. Birtwell, medical inspector.
J. D. Bradfield, medical inspector.
W. J. French, medical inspector.

Inspector nurses.

EVA E. MELLING.

KATHERINE DOUGLASS.

Clerk.

THELMA G. SCOTT.

Skilled laborer

EDWARD NEWMAN.

Laborer.

LUCIAN GRAYSON.

C. M. BEALL, inspector.

Disinfecting service.

W. D. TAPSCOTT, disinfector. B. PRICE, disinfector.

Crematorium.

ERNEST BISHOP, superintendent.

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REPORT OF THE HEALTH DEPARTMENT.

HEALTH DEPARTMENT, Washington, October 14, 1918.

GENTLEMEN: I have the honor to submit the following report for the fiscal year ended June 30, 1918:

PART I.

PUBLIC HEALTH IN THE DISTRICT OF COLUMBIA DURING THE CALENDAR YEAR 1917, WITH A SUPPLEMENTARY STATEMENT RELATING TO THE FIRST SIX MONTHS OF THE CALENDAR YEAR 1918.

Detailed statistics of births, stillbirths, deaths, and cases of reportable diseases are set forth in the appendix, to which reference must be made for information not found in the body of this report.

POPULATION.

A police census taken during the calendar year of 1917 furnished the following figures: Total population, 395,947; of this number 293,329 were white and 102,618 colored. The birth rates, stillbirth rates, death rates, and morbidity rates for the calendar year 1917 are based on the population as shown above.

GENERAL BIRTH RATES AND DEATH RATES.

The total number of births, stillbirths, and deaths recorded during the calendar year 1917, with corresponding birth rates, stillbirth rates, death rates, and similar data for previous years for purposes of comparison, are stated in the following table:

Population, births, stillbirths, and deaths in the District of Columbia, with corresponding rates during the calendar years 1901-1917, inclusive.

			a		Ra	te per 1,0	00.
Calendar years—	Population.	Births.	Still- births.	Deaths.	Births.	Still- births.	Deaths.
1901-1905 t 1906-1910 t	311,325 336,940	5, 409 6, 900	570 577	6,042 6,304	17.38 20.48	1.83 1.71	19.4 18.7
912 913	349, 569 352, 936 353, 297	7,032 7,007 6,903	504 501 500	6,303 6,259 6,006	20. 12 19. 85 19. 54	1.44 1.42 1.41	18.0 17.7 16.9
914 915 911-1915 ¹	353, 664	7, 130 7, 067	447 440	5,866 6,505	20. 16 19. 75	1. 26 1. 23	16.5 18.1 17.5
916	353, 443 359, 997 395, 947	7, 028 7, 258 7, 519	478 417 424	6, 188 6, 494 6, 687	19.88 20.16 18.99	1.35 1.15 1.07	17.5 18.0 16.8

Births.—The following table gives an analysis of registered live births and stillbirths according to race:

Natality in the District of Columbia, by years and by race, during the calendar years 1906-1917, inclusive.

	Births	and stillbi	rths registe		1,000 of cor g populatio		
Calendar years—	White.	Colored.	Un- known.	Total.	White.	Colored.	Total.
1906-1910 ¹	4, 832 4, 943	2,583 2,524	62 69	7,427 7,536	20.1	26. 7 25. 7	22.5
912 913 914	4, 901 4, 834 5, 104	2,532 2,509 2,422	75 60 51	7,508 7,403 7,577	19.2 18.9 19.9	25.7 25.6 24.8	21. 20. 21.
1915	5,027 4,962 5,213	2,430 2,483 2,408	50 61 54	7,507 7,506 7,675	19.8 19.5 20.0	24.6 25.3 24.3	21. 21. 21.
1917	5, 491	2, 412	40	7,943	18.7	23.5	20.

Average for 5-year period.

Live births.—Seven thousand five hundred and nineteen live births were recorded during the year, equivalent to a birth rate of 18.99. These figures show a falling off from the previous year when the rate was 20.16.

Figures for comparison with previous years appear in the table printed on page 7.

Live births among the white population numbered 5,291, a live birth rate of 18.04, and among the colored 2,228 live birth rate of 21.71

Stillbirths.—The following table shows the frequency of stillbirths, according to race and according to legitimacy or illegitimacy of the child:

Stillbirths in the District of Columbia; relative frequency of, with reference to race, legitimacy, and illegitimacy, during the calendar years 1906–1917, inclusive.

]	Registered	stillbirths.	R	ate per 1,00	0.	
Calendar year.	White.	Colored.	Un- known.	Total.	White.	Colored.	Total.
906–1910 1	200	315	62	577	0.8	3. 2	1.
911	171	266	67	504	.7	2.7	1.
912	167	259	75	501	. 7	2.6	1.
913	167	273	60	500	.7	2.8	1.
914	179	217	51	447	. 6	2.2	1
915	155	235	50	440	.6	2.4	1
911-1915 1	168	250	61	478	.7	2.5	1
916	171	192	54	417	.7	1.9	1
1917	200	184	40	424	.7	- 1.8	1

¹ Average for 5-year period.

Percentage of stillbirths of each class named below computed upon the basis of all live and still births, together for each class.

		By race.	Social status.		
Calendar year.	White.	Colored.	Total.	Legiti- mate.	Illegiti- mate.
1906 1910 1 1911 1912 1913 1913 1914 1915 1915 1916 1916 1917	4. 1 3. 5 3. 4 3. 5 3. 1 3. 4 3. 3 3. 6	12. 2 10. 5 10. 2 10. 9 8. 9 9. 7 10. 0 8. 0 7. 6	7. 7 6. 7 6. 8 5. 8 5. 9 6. 4 5. 4 5. 3	5.6 5.0 4.9 5.1 4.6 4.5 4.8 4.1	14.9 12.1 13.1 12.1 12.1 12.1 13.1 9.1

1 Average for 5-year period.

White children to the number of 2,451 were born in institutions, of which 4.2 per cent were born dead, while of the 3,040 white children born in homes 3.2 per cent were stillborn. Of the 1,045 colored children born in institutions, 7.5 per cent were born dead, while of the 1,363 colored children born in homes 7.7 per cent were stillborn.

Stillbirths in the District of Columbia; relative frequency of in home and hospital practice, during the calendar year 1917.

		White.			Colo	ored.		Total
Place of birth.	Live births.	Still- births.	Percentage of still-births to live births and still-births.	Live births.	Still- births.	Percentage of still-births to live births and still-births.	Un- known race.	percent- age of still- births to live births and still- births.
Institutions	2,347 2,944	104 96	4. 2 3. 2	970 1,258	79 105	7. 5 7. 7	1 40	5. 2 5. 4
	5, 291	200	3.6	2,228	184	7.6	40	5.3

¹ Unknown race reported by coroner, presumably "home births."

In the following table it will be noted that the percentage of still-births occurring in hospitals under the care of physicians was the same as among those born in the homes, 5.2 per cent in each case:

Stillbirths in the District of Columbia, according to professional attendance, relative frequency of, in home and hospital practice, during the calendar year 1917.

	Confined	at home.		d at hos-	Percent live bir	age of still ths and sti	births to
Attended by—	Live births.	Still- births.	Live births.	Still- births.	Homes.	Hos- pitals.	Homes and hos- pitals.
Physicians Midwives. Unknown	3,694 508	201 3 1 40	3,317	180	5.2	5. 2	5.2
Total	4, 202	244	3,317	180	5.5	5.2	5.2

Megitimacy.—The percentage of births and stillbirths reported as illegitimate during the calendar year remains approximately the same as for the preceding year.

Illegitimacy in the District of Columbia, prevalence of, by years and by race, during the calendar years 1906-1917, inclusive.

	Illegitim stillbirtl			and red.	Rates per 1,000 corresponding population.				Percentage of all births and stillbirths re- ported as illegitimate.			
Calendar year.	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.
1901–1910 ¹	110 105 112 123 98 119 111 89 122	572 557 574 570 507 495 541 466 475	67 88 69 55 56 67 55 40	682 729 774 762 660 670 719 610 637	0.5 .4 .4 .5 .4 .5 .4	5.9 5.7 5.8 5.8 5.2 5.0 5.5 4.7 4.6		2.0 2.1 2.2 2.2 1.9 1.9 2.1 1.7	2.3 2.1 2.3 2.5 1.9 2.4 2.2 1.7 2.2	22.1 22.7 22.7 22.7 20.9 20.4 21.7 19.3 19.7		9. 2 9. 7 10. 3 10. 3 8. 7 8. 9 7. 3

A verage for 5-year period.

The following table shows the distribution of illegitimate births according to the ages of the mothers of children born:

Illegitimacy in the District of Columbia: Ages of mothers of illegitimate children whose births and stillbirths were recorded during the calendar years 1911–1917, inclusive

	Ages of mothers in years.												
Calendar year.	12	13	14	15	16	17	18	19	20	Total under 21.	21 and over.	Age not stated.	Total.
1911 1912 1913 1913 1914 1915 1916	1	3 1 1 1 1 1	4 7 4 8 7 9 8	17 19 29 15 18 18 25	33 52 55 53 51 50 39	49 77 80 67 80 64 78	54 90 98 106 84 72 93	51 76 82 62 66 81 62	46 57 62 49 60 43 62	257 379 412 361 367 338 367	204 225 275 215 233 200 213	182 170 6 29 14 17	64 77 69 60 61 55 59

Note.-40 stillbirths of unknown race and unknown legitimacy not included.

Births in institutions and under the care of midwives.—The increased tendency to resort to hospitals in cases of confinement, and the decreased employment of midwives commented on in previous reports has continued during the calendar year 1917, as shown in the following table:

Midwives and lying-in hospitals in the District of Columbia: Live births reported by midwives and from institutions during the calendar years 1906–1917, inclusive.

	Nui	nber repor	ted.	Percentage re- ported.		
Calendar year.	Total.	From institutions.	By mid- wives.	From institutions.	By mid- wives,	
1906-1910 1 1911 1912 1912 1913 1914 1915 1911-1915 1 1916	6, 900 7, 032 7, 007 6, 903 7, 130 7, 067 7, 028 7, 258 7, 519	1, 286 1, 616 1, 788 1, 936 2, 182 2, 467 1, 998 2, 690 3, 317	1, 295 1, 042 953 842 699 604 828 558 508	18.6 23.0 25.5 28.0 30.6 34.9 28.4 37.1 44.1	18.8 14.8 13.6 12.1 9.8 8.8 11.8 7.6	

1 Average for 5-year period.

STATISTICS OF ILLNESS AND DEATHS.

General mortality.—The total number of deaths occurring during the calendar year 1917 was 6,687, as compared with 6,494 for the

preceding year. The death rate fell from 18.04 to 16.89.

There were 182 more deaths reported during the calendar year 1917 than in the preceding year. This increase was due in a large measure, it is believed, to the great increase in population resulting from the war activities now being carried on in the District. It will be noted, however, that while the number of deaths increased the death rate was reduced.

Mortality by race.—The relatively high death rate in the colored population as compared with the death rate of the white population prevailed as in the previous years. For detailed statement see the

following table:

Racial population, deaths, and death rates in the District of Columbia, by calendar years, from 1901 to 1917, inclusive.

	Popula	tion.	Dea	ths.	Death	rates.
Years.	White.	Colored.	White.	Colored.	White.	Colored.
1901–1905 1 1908–1910 1 1911 1912 1913 1914 1915 1911–1915 1916 1917	217, 606 240, 244 251, 409 254, 260 255, 153 256, 049 258, 940 255, 162 260, 854 293, 329	93, 719 96, 696 98, 159 98, 676 98, 144 97, 615 98, 809 98, 281 99, 143 102, 618	3, 395 3, 626 3, 739 3, 606 3, 568 3, 493 3, 918 3, 665 3, 953 4, 070	2, 647 2, 678 2, 564 2, 563 2, 438 2, 373 2, 587 2, 523 2, 541 2, 617	15. 60 15. 09 14. 87 14. 18 13. 98 13. 64 15. 13 14. 36 15. 15	28. 20 27. 66 26. 13 26. 89 24. 8- 24. 31 26. 18 25. 66 25. 66

1 Average 5-year period.

Mortality by age periods.—In the first year of life 97 deaths per 1,000 reported births occurred. During the preceding year 106 deaths under 1 year of age for each 1,000 births recorded occurred. These figures show decrease of 9 from the previous year.

The death rate of white infants was 70 per 1,000, while that of colored infants was 160.

Detailed statement will be found in table on page 82.

Deaths from the more important diseases.—The most potent causes of death during the calendar year 1917, arranged in order of the gravity of their influence on death rates, with corresponding figures for previous years will be found in the following table. Detailed information with respect to those diseases and with respect to all causes of death will be found in tables printed in the appendix.

Most potent causes of deaths in the District of Columbia, during the calendar years 1915, 1916, and 1917, arranged in order of relative influence on the death rate in the latest year, and the annual averages for 5-year periods, 1906–1910 and 1911–1915.

		De	aths.		D	eath rate	per 10	.,,,,,,,		
Diseases.		Annual average 1911– 1915.	1915	1916	1917		Annual average 1911– 1915.	1915	1916	1917
Organic heart disease	509	738	731	716	777	169	208	204	199	196
Bright's disease	442	545	613	588	639	131	154	171	163	161
Pneumonia (all forms)		547	671	604	636	163	155	188	168	161
Pulmonary tuberculosis	749	687	698	646	594	222	194	195	179	150
Apoplexy Malignant growths Diarrhea (under 2 years)	327	413	457	463	490	97	117	129	129	124
Malignant growths	276	339	392	387	420	82	96	110	108	106
Diarrhea (under 2 years)	305	192	167	175	227	91	54	47	49	5
		204	204	181	208	64	58	57	50	5
Endocarditis and myocarditis	. 72	57	122	146	158	21	16	34	41	40
Arteriosclerosis	. 84	120	154	179	144	25	34	43	50	30
SenilityGrippe	200	156	113	121	126	59	44	32	34	3:
Grippe	. 96	71	114	112	106	28	20	32	31	2
General paralysis of insane Nephritis, acute. Diarrhea (2 years and over) Diabetes.	. 33	53	67	71	80	10	15	19	20	2
Nephritis, acute	. 59	68	77	75	77	18	19	22	20	1
Diarrhea (2 years and over)	. 72	63	58	64	68	21 12	18	16	18	1
Diabetes	. 41	58	72	68	65		16	20	19	1
Bronchitis	. 128	93	87	77	59	38	26	24	21	1
Typhoid fever	. 119	59 82	42	46 78	49	35 18	17	12	13	1
Marasmus (under 1 year) Whooping cough	38	82	68	41	18		23	19	22 11	

Reportable diseases.—In the following table figures are given showing the prevalence of the several reportable diseases in the District of Columbia during the calendar year 1917, with figures for comparison with the preceding year:

Reportable diseases in the District of Columbia: Cases, case rates, death, percentage of fatalities, and death rates during the calendar years 1916 and 1917.

Diseases.	Cas			Case rate per 100,000.		Deaths.		Percentage of deaths to cases.		Death rate per 100,000.	
	1916	1917	1916	1917	1,16	1917	1916	1917	1916	1917	
Anterior poliomyelitis	39	6	11	1.5	6	2	15. 4	34.0	1.6	0.	
Chickenpox	1,139 647 6	1,250 1,130 33	316 180 2	315 285 8, 2	33	37 17	5. 1 66. 6	3. 2 51. 5	9.2	9.0	
Measles Pellagra	2,642	3,807	734 4	945	6 9	14	.2	.036	1.7	3.	
Scarlet fever Smallpox Tuberculosis (communicable). 4	530	584 11	1	147 2.8	6	8	1.1	1.3	1.6	2.	
Typhoid fever	1,061 308 2,224	1,006 338 1,013	295 86 618	220 85 225	694 46 41	633 49 18		63. 0 14. 0 1. 7	19. 28 12. 7 11. 4	15. 12. 4.	

Deaths in the District workhouse, Occoquan, Va.—One death occurred at the District workhouse, Occoquan, Va., during the calendar year 1917; cause, pneumonia.

VITAL STATISTICS-JANUARY TO JUNE INCLUSIVE, 1918.

A statement showing cases of reportable diseases and reported deaths during the first half of the calendar year 1918 will be found on page 84.

DISPOSAL OF THE DEAD.

The following table shows the ultimate disposal of the dead in the District of Columbia during the year ending December 31, 1917:

Disposal of dead bodies, exclusive of bodies of stillborn in fants, coming under the supervision of the health department during the calendar year 1917.

	Died in the District of Columbia.	Died out- side of the District of Columbia; brought in for disposal.	Total.
Sent out of the District for disposal: To Arlington National Cemetery To other places	345 1,198	40 51	385 1,249
Total	1,543	91	1,634
Cremated: Lee's crematory District crematory	42 269	17 8	59 277
Total	311	25	336
Buried in the District of Columbia	4,740 93	526	5, 266 93
Total	4,833	526	5, 359
Total disposed of	6,687	6, 427	7,329

Cremation.—The progress of cremation in the District of Columbia since the calendar year 1900 is shown in the following table:

Progress of cremation in the District of Columbia, calendar years 1901-1917, inclusive.

		Вс	odies cremated	L,1	
Calendar year.	Total deaths.	Lee's crematory.	District of Columbia crematory.	Total.	Percentage of crema- tions.
1901	6,050 5,788	27 21		27 21	0.45
1903 1904 1905	5,944 6,221 6,205	41 20 43		41 20 43	.69
1906	6, 205 6, 316 6, 343	41 50		41 50	.69 .65
1908	6, 136 6, 216	54 50	2 45 316	99 366	1.61 5.88
910. 911. 912.	6,511 6,303 6,259	48 52 52	334 319 323	382 371 375	5.87 5.89 5.99
914	6, 259 6, 006 5, 866	57 59	295 230	352 289	5.86 4.98
1916	6, 505 6, 494	67 53	298 272	365 325	5. 61 5. 00
1917	6, 687 105, 850	794	2,709	336	55, 59

¹ Stillbirths excluded.

Began to operate October 1908.

COMMUNICABLE DISEASES OF ANIMALS.

Rabies.—The following table shows the extent to which rabies prevailed in the District of Columbia during the calendar year 1917, together with corresponding figures for the preceding year.

Rabies in the District of Columbia during the calendar year 1917, together with corresponding data for the preceding year.

	Calen year	
	1916	1917
Dogs reported to the health department as rabid or suspected of being rabid	21	25
Other animals reported as rabid or suspected of being rabid	4	
Bureau of Animal Industry (3 dogs and 2 dogs)	3	2
Persons bitten by dogs or cats rabid or suspected of being rabid. Domestic animals bitten by dogs, rabid or suspected of being rabid (3 dogs, 1 cat) Persons bitten by dogs and cats and other animals known to be rabid, as shown by post-	14	2
mortem findings of the Bureau of Animal Industry (2 dogs). Pasteur treatment administered to individuals during the calendar year (reports received	2	:
from the Hygienic Laboratory, Public Health Service)	1 35	12

¹ This includes individuals from outside of the District of Columbia as follows: 1916, 28; 1917, 15.

In view of the continued prevalence of rabies in the District of Columbia, the commissioners, on July 5, 1917, renewed their proclamation of the preceding year, requiring the muzzling of all dogs running at large. This proclamation became effective July 10, 1917, and continued for the period of one year.

PART II.

ADMINISTRATION.

SUPERVISION.

There has been no change in the general methods of procedure in the health department during the past year.

BUREAU OF PREVENTABLE DISEASES.

Contagious-disease service.—The following table shows in a general way the amount and character of the work done in the contagious-disease service during the fiscal year 1918:

Reportable diseases in the District of Columbia: Cases reported during the fiscal years 1917 and 1918.

Diseases.	Fiscal	year—
Diseases.	1917	1918
Anterior poliomyelitis	37	
Chicken Dox	969	1, 198 1, 113 123
Diphtheria	613	1,113
Diphtheria. Epidemic cerebrospinal meningitis	20	12
Leprosy		
Measles	3,533	7,618
Pellagra	14	2
Scarlet lever	490	1, 10
Smallpox	6	3
Tuberculosis	984	1,111
Typhoid fever	292	32
Whooping cough	2, 125	1,14
Total	9,083	1 13, 80

¹ This total included 1,151 cases reported from the various military and naval cantonments located within the District of Columbia.

Smallpox hospital, quarantine station, and leper hospital.—There were 37 patients cared for in the smallpox hospital during the fiscal year 1918. The institution was in active operation on 145 days, the total number of patient-days' service rendered being 465.

The average number of patients in the hospital each day during the period when the hospital was in active operation was 3.2 and

the average for the entire year was 1.3.

The average stay in the hospital of each patient was 12.5 days.

The quarantine station was in active operation during the fiscal year 1918, 180 days during which time it cared for 82 inmates, the total number of inmate days being 723. While this institution was in active service the average number of inmates per day was 4. The average number of inmates per day calculated on the entire year was 1.9. The average stay of an inmate in the institution was 8.8 days.

The leper hospital was in active service every day during the entire

year, the number of patients being 1.

Ambulance service.—The ambulance for patients suffering from minor contagious diseases transported during the fiscal year 1918, 530 patients on 267 days. Patients suffering from smallpox were removed in the ambulance provided for that purpose or in some other vehicle, not in the ambulance for the transportation of patients suffering from minor contagious diseases.

Cost of the contagious-disease service. - A statement of the cost of

the contagious-disease service will be found on pages 66.

Isolating wards at Garfield Memorial and Providence Hospitals.— For statement showing the service rendered by the isolating wards at these institutions during the fiscal year 1918, see the following table:

Isolating wards, Garfield Memorial and Providence Hospitals: Service and expense incing the fiscal year 1918.

Institution.	Pay patient days.	Free patient days.	Total patient days.	Total appropri- ated by the Govern- ment.	Paid by the District for the year.	Cost to the District per free patient per day.	
Garfield Memorial Hospital. Providence Hospital.	5, 246	5, 442	10,688	\$10,000.00	\$10,000.00	\$1.84	\$3, 971, 54
	2, 250	2, 462	4,712	6,000.00	5,954.40	2.41	(1)

¹No account of money received from pay patients was rendered by Providence Hospital.

A statement showing the nature of the cases treated in the isolation

wards named above will be found on page 32.

Disinfecting services.—During the fiscal year 1918, 2,513 premises were disinfected, and 326 articles exposed to infection on such premises or in some other way were disinfected at the disinfecting station. The disinfecting service cost during the year \$7,408.84.

For a more detailed statement of the work done by the disinfecting

service and the cost of such service see pages 32 and 72.

Five permits were issued during the fiscal year, under the authority of the regulations for the control of disinfecting and fumigating, promulgated by the commissioners under date of April 2, 1915, authorizing the use of cyanide gas for the destruction of vermin of various kinds,

COMMUNICABLE DISEASES OF ANIMALS.

Rabies.—The following table shows the extent to which rabies prevailed in the District of Columbia during the calendar year 1917, together with corresponding figures for the preceding year.

Rabies in the District of Columbia during the calendar year 1917, together with corresponding data for the preceding year.

	Caler yea	
	1916	1917
Dogs reported to the health department as rabid or suspected of being rabid	21	25 2
Bureau of Animal Industry (3 dogs and 2 dogs)	3 14	26
Domestic animals bitten by dogs, rabid or suspected of being rabid (3 dogs, 1 cat) Persons bitten by dogs and cats and other animals known to be rabid, as shown by post-		4
mortem findings of the Bureau of Animal Industry (2 dogs). Pasteur treatment administered to individuals during the calendar year (reports received from the Hygienic Laboratory, Public Health Service).	1 35	1 20

¹ This includes individuals from outside of the District of Columbia as follows: 1916, 28; 1917, 15.

In view of the continued prevalence of rabies in the District of Columbia, the commissioners, on July 5, 1917, renewed their proclamation of the preceding year, requiring the muzzling of all dogs running at large. This proclamation became effective July 10, 1917, and continued for the period of one year.

PART II.

ADMINISTRATION.

SUPERVISION.

There has been no change in the general methods of procedure in the health department during the past year.

BUREAU OF PREVENTABLE DISEASES.

Contagious-disease service.—The following table shows in a general way the amount and character of the work done in the contagious-disease service during the fiscal year 1918:

Reportable diseases in the District of Columbia: Cases reported during the fiscal years 1917 and 1918.

Diseases.	Fiscal y	year—
Diseases.	1917	1918
Anterior poliomyelitis.	37	•
Unicken pox	969	1, 196 1, 112
Diphtheria.	613	1,112
Epidemic cerebrospinal meningitis	20	123
Leprosy		
Measles	3,533	7,618
Pellagra	14	7,618
Scarlet fever	490	1, 102
Smallpox	6	38
Tuberculosis	984	1,118
Typhoid fever	292	32
Whooping cough.	2, 125	1,14
Total	9,083	1 13, 807

¹ This total included 1,151 cases reported from the various military and naval cantonments located within the District of Columbia.

Smallpox hospital, quarantine station, and leper hospital.—There were 37 patients cared for in the smallpox hospital during the fiscal year 1918. The institution was in active operation on 145 days, the total number of patient-days' service rendered being 465.

The average number of patients in the hospital each day during the period when the hospital was in active operation was 3.2 and

the average for the entire year was 1.3.

The average stay in the hospital of each patient was 12.5 days.

The quarantine station was in active operation during the fiscal year 1918, 180 days during which time it cared for 82 inmates, the total number of inmate days being 723. While this institution was in active service the average number of inmates per day was 4. The average number of inmates per day calculated on the entire year was 1.9. The average stay of an inmate in the institution was 8.8 days.

The leper hospital was in active service every day during the entire

year, the number of patients being 1.

Ambulance service.—The ambulance for patients suffering from minor contagious diseases transported during the fiscal year 1918, 530 patients on 267 days. Patients suffering from smallpox were removed in the ambulance provided for that purpose or in some other vehicle, not in the ambulance for the transportation of patients suffering from minor contagious diseases.

Cost of the contagious-disease service.—A statement of the cost of

the contagious-disease service will be found on pages 66.

Isolating wards at Garfield Memorial and Providence Hospitals.—For statement showing the service rendered by the isolating wards at these institutions during the fiscal year 1918, see the following table:

Isolating wards, Garfield Memorial and Providence Hospitals: Service and expense during the fiscal year 1918.

Institution.	Pay patient days.	Free patient days.	Total patient days.	Total appropri- ated by the Govern- ment.	Paid by the District for the year.	Cost to the District perfree patient per day.	
Garfield Memorial Hospital.	5, 246	5, 442	10,688	\$10,000.00	\$10,000.00	\$1. 84	\$8,871.54
Providence Hospital.	2, 250	2, 462	4,712	6,000.00	5,954.40	2. 41	(1)

 $^{^1\}mathrm{No}$ account of money received from pay patients was rendered by Providence Hospital.

A statement showing the nature of the cases treated in the isolation

wards named above will be found on page 32.

Disinfecting services.—During the fiscal year 1918, 2,513 premises were disinfected, and 326 articles exposed to infection on such premises or in some other way were disinfected at the disinfecting station. The disinfecting service cost during the year \$7,408.84.

For a more detailed statement of the work done by the disinfecting

service and the cost of such service see pages 32 and 72.

Five permits were issued during the fiscal year, under the authority of the regulations for the control of disinfecting and fumigating, promulgated by the commissioners under date of April 2, 1915, authorizing the use of cyanide gas for the destruction of vermin of various kinds.

Public crematorium.—During the fiscal year 1918, 509 bodies were cremated—93 adults, 157 infants, and 259 stillborn babies. The total cost of maintenance was \$1,807.59. In 33 cases bodies were cremated for persons who paid for such services, the fees from this source amounting to \$925. Deducting this amount from the total cost of maintenance, the net cost to the government for maintaining the crematorium during the entire year was \$882.59.

For statement showing the progress of cremation in the District of

Columbia since the year 1900, see page 13.

Bacteriological laboratory.—During the fiscal year 1918, 20,009 specimens were examined in the bacteriological laboratory. For statement showing the character of these specimens and the results of examination see table on page 51 of this report.

The cost of maintaining the laboratory during the year was

\$6.154.49.

Serological laboratory.—In the appropriation act of March 3, 1917, provision was made for the appointment of a serologist and the establishment and maintenance of a serological laboratory.

The laboratory has been maintained during the fiscal year 1918

at a cost of \$3,687.85.

In connection with the establishment and maintenance of the serological laboratory arrangements were made for free laboratory

tests for syphilis and gonorrhea.

A printed circular was also sent to all druggists and other persons handling serums, vaccines, and other biological medical agents in the District of Columbia, giving information and instructions relative to the proper handling and storing of these products.

For statement showing the amount and character of work done in

the serological laboratory see table on page 51 of this report.

Dispensaries.—The provisions made by Congress for the establishment and maintenance of dispensaries for the treatment of persons suffering from tuberculosis and of persons suffering from venereal diseases have been carried out in part only. After diligent search throughout the city for a building suitable for the purpose, the health department finally obtained from the General Government the use of

the building at 409 Fifteenth Street NW.

Before, however, this building could be used for the purposes indicated it was necessary to do extensive remodeling. This work, which has been in progress for several months, is now rapidly nearing completion. The necessary equipment has been purchased and is now on hand, and as soon as the work of remodeling is completed both dispensaries will be opened to the public. It is believed that these dispensaries both as to medical service and equipment will compare favorably with similar institutions anywhere in the country.

MEDICAL INSPECTION OF PUBLIC SCHOOLS.

In the District appropriation act of March 3, 1917, provision was made for the appointment of two additional school nurses at a salary of \$1,000 each. It is believed that the school nurse is one of the most active agencies in the hands of the school authorities for the advancement of the physical well-being of the school children.

A report covering the operation of the medical inspection service, including the work done by the school nurse, will be printed, it is

understood, in the report of the board of education.

Two schools, one for the white and one for the colored pupils, are being maintained for the education of pupils suffering from communicable forms of tuberculosis. The white class is located in the Hamilton School, Bladensburg Road, and during the last school year enrolled 12 pupils.

The colored class is located in the Harrison School, Thirteenth Street between V and W Streets NW. This school had under enroll-

ment during the last school year 29 pupils.

During the school term 1917-18 two vacancies occurred in the medical inspection service; Dr. J. D. Thomas and Dr. Albert Ridgley resigned to accept commissions in the Medical Reserve Corps of the National Army. These vacancies were filled by the appointment of Drs. Frank E. Duehring and Peter M. Murray.

In the appropriation act of August 31, 1918, provision is made for the establishment of free dental clinics in the pullic schools and for the appointment of eight dental operators and four dental prophylactic operators to serve such clinics. The establishment and maintenance of these clinics will result in very great benefit to school children. The clinics will be put in operation at the earliest practicable date.

BUREAU OF FOOD INSPECTION.

Inspection of perishable foodstuffs.—The number and kinds of establishments in the District of Columbia producing and selling foodstuffs, exclusive of dairies and dairy farms, during the fiscal year 1918, is shown in the following table:

Food producing and vending establishments in the District of Columbia: Number and kind on register during the fiscal years 1917 and 1918, with data relative thereto.

						Inspection.	
	Regis- tered at begin- ning year.	Registered during year.	A ban- doned or dup.i- cated.	Regis- tered at close year.	Total.	A verage per annum per p.ace.	Inspections per in- spector per day worked.
Total:							
1917 1918 Commission be uses:	5,832 6,073	754 650	2,993 3,671	3,593 3,671	42,356 49,698	11. 79 13. 53	24. 81 20. 30
1917	73 72	8	2	81 70	12, 122 15, 643	149. 65 223. 47	7. 10 8. 52
1917. 1918. Markets:	2,747 1,808	508 322	1,447 1,114	1,808 1,016	10,313 4,895	5. 70 4. 80	6. 04 2. 67
1917 1918 Hucksters:	10 10			10 10	2, 591 2, 083	259. 10 208. 30	1. 52 1. 70
1917 1918 Bakeries:	682 507		175 48	507 459	6,089 16,395	12. 01 35. 71	3. 57 5. 35
1917 1918 Confectioneries:	97 68	2 15	31 7	68 76	178 483	2. 62 6. 35	.10 .39
1917 1918 Restaurants and lunch rooms:	566 501	106 90	171 160	501 431	680 348	1.36	. 40 . 27
1917 1918 Miscellaneous:	864 513	102 590	453 612	513 491	4,111 8,243	8. 01 16. 79	2. 41 13. 49
1917	793 105	· 182	716 125	105 162	866 1,028	8. 25 6. 34	. 51 . 53

During the fiscal year 250 prosecutions were instituted against proprietors or managers of establishments where foodstuffs are sold for unclean premises, sales of unwholesome foods, or other violations of regulations. At the beginning of the year 32 cases were pending, making the total number of prosecutions 282, which were disposed of as follows: Nolle prosequi was entered in 93 cases; 7 were dismissed; personal bonds were accepted in 4 cases, fines aggregating \$87 were imposed in 18, and forfeitures amounting to \$1,054 were accepted in 160 cases.

The large number of cases nolle prossed were due to the fact that the inspectors prosecuting the cases were drafted into the National

Army before the cases were brought to trial.

It might be well to call attention to the fact that fines and forfeitures imposed during the fiscal year just closed shows an increase of approximately 100 per cent over the preceding year.

The amount and kind of foodstuffs condemned during the year will

be found in tables on page 59 of this report.

Detailed cost of inspection, amounting to approximately \$8,632.74,

appears in tables printed on pages 66.

Inspection of slaughterhouses.—Fifteen slaughterhouses were under inspection by the health department. The larger establishments engaged in interstate business are, of course, subject to inspection by the United States Department of Agriculture and by the health department of the District, but the inspection of such establishments is left substantially to the Federal department.

At the establishments under inspection by the health department, 268 cattle, 33 sheep, 605 calves were examined during the year. The carcasses of 2 cattle were found unfit for food and condemned.

Supervision of dairy farms.—A statement showing in detail the amount and kind of work done during the fiscal year 1918, with respect to dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia, appears in the following table. As in previous years, considerable quantities of milk and cream were brought into the District during the year from unlicensed farms. The department is exerting every effort by legal proceedings to prevent a continuance of the practice. A number of cases are now being prepared by corporation counsel for presentation to the police court.

Dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia during the fiscal year 1918, number and distribution of, with certain data pertaining thereto, and corresponding figures for the preceding year.

	Dair	Dairy farms registered during year. Cattle. Tuberculin test						1 tested	l.		
	Beginning of year.	Registered.	Canceled.	Close of year.	Beginning of year.	During year.	Close of year.	Total.	Passed.	Reacted.	Suspicious.
Total: 1917	1,236	184 185	281 193	1,139 1,131	21,044 22,295	1, 251 721	22, 295 21, 574	11,347 15,269	10,922 14,715	367 448	58 106
1918 District of Colum- bia:	1,139	1			1	194				448	100
1917 1918 Maryland:	31 25	6	12 6	25 20	611 417	119	417 298	1, 206	1,194	12	
Maryland: 1917 1918 Virginia:	747 674	95 98	168 126	674 636	10,592 9,832	760 35	9, 8 32 9, 7 97	3,958 3,739	3,767 3,579	173 133	18
Virginia: 1917 1918 Pennsylvania:	427 433	80 86	74 61	433 468	9,096 11,680	2,584 531	11,680 11,149	7,288 10,086	7,054 9,709	194 298	79
1917 1918 West Virginia:	25 1	1	25	1	519 160	359 5	160 165	199	194	5	
1917 1918	6	2	2	6	226 206	20 41	206 245	57 39	57 39		

Supervision of dairies and milk shops.—The following table shows the number and distribution of the dairies and milk shops lawfully supplying milk in and for the District of Columbia during the fiscal year 1918, and the frequency of inspections.

Dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia during the fiscal year 1918, number and distribution of with certain data pertaining thereto and corresponding figures for the preceding year.

	Inspections of farms.	Average frequency of inspec- tions of each farm during the year.	Average number of farms in- spected per inspector per day worked.	Inspections of cattle.	Average frequency of inspec- tions of each animal
Potal:					
1917	4,423	3.77	2.87	67,810	3,06
1918	4, 035	3.56	3.68	56, 075	2.57
District of Columbia:	4,000	0.00	0.00	00,010	2.01
1917	406	16,24	. 26	3,949	9.47
1918.	267	13.35	.65	3,099	10.39
faryland:	. 201	10.00	.00	3,000	10.00
1917	2,372	3.36	1.53	32, 176	3, 27
1918	1,004	1.92	1.76	10, 358	1.54
'irginia:	1, 224	1.92	1.70	10,555	1.09
1917	1,584	3, 56	1.02	30, 504	2,61
1918.	1, 384	5.40	1.52	41,946	2.90
ennsylvania:	2,529	5.40	1. 32	41,940	2.00
1917	37	1 10	.024	478	.92
1918	3/	1.42		250	1 15
Vest Virginia:	1	.01	.003	230	. 16
1917	0.1	4 00	015	702	3,41
1918	24	4.00	.015	703	
***************************************	14	2.33	.019	422	2.25

Chemical and bacteriological control of milk supply.—There were 7,436 samples of milk and 248 samples of cream collected and analyzed during the fiscal year. Details as to results appear in the following table and in the report of the chemist printed in the appendix.

	Milk (7,43	6 samples) in taining—	Cream (248 samples) in 1918 containing—		
Fiscal year.	Less than 3.5 per cent fat.	3 per cent fat and less.	Added Water.	Less than 20 per cent fat.	18 per cent fat and less.
912	Per cent.1 3, 44	Per cent.1	Per cent.1	Per cent.1 70.07	Per cent.1
913		.45	. 63	64.92	12.5
914	4.69	.44	.97	48. 27	17.9
915	7.71	3.03	. 76	57.73	17.1
916		. 83	1.22	61.39	22.4
917		.69	1.50	64.09	28. 4 36. 6
1917		3.49	1.57	68.09	

¹ Per cent on basis of all samples of milk or of cream, respectively, examined.

The increase in amount of low-grade milk and cream coming into the District of Columbia and the increased frequency of watered milk are, as stated in the report of last year, probably due to the high cost of producing milk and to the high price for which it was sold during the year. Another factor leading to a deterioration in the milk supply is that much milk and cream have been brought into the District of Columbia from dairy farms not subject to inspection by representatives of the health department.

A number of cases have been referred to corporation counsel for prosecution in the police court on the charge of bringing or sending into the District of Columbia milk or cream without permits so to do.

It is hoped that when these cases are presented to the court such heavy penalties will be imposed that may have a deterrent effect on these unlawful shippings.

Bacteriological examinations were made of 1,173 samples of milk and cream during the fiscal year. The following table shows results of such examinations:

Milk and cream in the District of Columbia: Bacteriological examinations of 1,173 samples during the fiscal year 1918.

NUMBER OF SPECIMENS.

	Bac	teria per c	ubic centim	eter.	Colon	group.
	Un ler 10,000	10,000 to 100,000.	100,000 to 1,000,000.	1,000,000 and over.	Present.	Absent.
Raw milk: From containers arriving by trolley or						
train		2	6	24	21	· 11
consumers	63	366	205	111	322	423
containers as distributed to consumers	155	95	76	72	151	245

PERCENTAGE OF SPECIMENS.

Raw milk: From containers arrivin; by trolley or						
From containers as distributed to		6.25	18.75	75.00	65. 63	34.37
consumers Heated milk sold as pasteurized: From	8.45	49.13	27.52	14.90	43.22	56.78
containers as distributed to consumers	39.14	23.50	19.18	18.18	38.12	61.88

Grading of milk.—The milk grade of the dairies selling milk in the District of Columbia is computed monthly. A pamphlet showing such grading is printed each month by the health department, and will

be mailed to any person upon written request.

Chemical control of foods other than milk and cream.—Samples of food, other than milk and cream, to the number of 398 were examined chemically during the fiscal year 1918. For detailed statement concerning this work see the report of the chemist on page 39 of this report.

BACTERIOLOGICAL LABORATORY.

The work of this laboratory has been discussed in connection with the work of the bureau of preventable diseases and the bureau of food inspection. See pages 16 and 51.

CHEMICAL LABORATORY.

The details of the work done in the chemical laboratory will be found in the report of the chemist on pages —— of this report.

BUREAU OF SANITARY INSPECTION.

General nuisance inspection.—There were 9,003 complaints acted upon during the year. As a result 12,550 inspections were required to be made. Official calls, for purposes other than inspections, or for the service of notice inspectors in other districts, numbered

The total number of official visits made by the sanitary inspection force was approximately 45,304. Violations of laws and regulations for the prevention and abatement of nuisances were reported in 11,926 instances, and compliance was procured in 11,480 instances before the close of the fiscal year. The remaining 446 were pending

at the close of the year.

Informations were filed in the police court in 425 instances, charging violation of the laws and regulations relating to public health. In addition to these cases there were 47 cases pending at the close of last year, making the total number to be accounted for 472. In 378 instances a plea of nolle prosequi was entered, personal bonds were taken in 27, collateral forfeitures in 12, fines imposed in 15, and 7 were acquitted, leaving undisposed of at close of the year 33. Fines and collateral collected amounted to \$126.

To procure the abatement of nuisances on property belonging to nonresident owners, 199 notices were serred under the assessment system. In all but 5 cases the nuisances were abated by the owners. In the 5 cases the District government caused the necessary work to be done at a cost of \$37, which amount was assessed against the

property.

Sanitary inspection of places of employment.—The inspection of printing offices was continued during the year, as was the systematic inspection of bakeries, lunch rooms, restaurants, and other similar places, in the interest of the health of persons employed therein.

The condition of the lunch rooms and similar establishments has

been much improved.

Registration of stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems.—The following table shows

the number of stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered and under observation by the health department during the fiscal year 1918, the frequency with which such places have been inspected, and in a general way, the results.

Stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered during the fiscal year 1918.

	Stables.	Barber shops.	Laun- dries.	Privies.	Fowl and pigeon houses.	Sewage dis- posals.	Lodg- ing and tene- ment houses.
Registered at beginning of year	1,274 877	484 91 72 503 1,226 2.5 25	2,519 178 420 2,277 1,434 0.5 (1)	2,733 58 85 2,706 2,066 0.7 324	1,488 148 15 1,621 (¹) (¹) (¹)	115 6 109 152 1.3 (¹)	75 5 3 77 152 2.0 (¹)

Data not available.

Smoke inspection.—The following table shows the work done in the smoke-inspection service during the fiscal year 1918, with corresponding figures for the preceding year.

Smoke inspections during the fiscal years 1917 and 1918.

	3, 530 . 466	7, 221
Violations of law reported		
Cases referred to corporation counsel		7,221 1,217
	30	9
Cases of fines and forfeitures	27	
Cases of personal bonds taken	4	1
Cases notice prossed	3	î
Cases acquitted		
Cases pending	2	
Cases acquitted. Cases pending. Amounts of fines and forfeitures.		

Enforcement of the weed law.—The practice heretofore adopted of devoting to the enforcement of the weed law such time and attention as can be spared from other more important duties devolving on the sanitary inspection service has been continued during the year.

Private hospitals and asylums.—During the fiscal year 1918, one license was issued to maintain a hospital for human beings.

Special duties of the sanitary inspection force.—In addition to the regular work of the sanitary inspection force much time has been spent in work properly belonging to the contagious disease service. This has been found necessary because of the limitation imposed by law upon the amount that can be expended for personal services for the enforcement of the laws relating to contagious diseases.

Cost of bureau of sanitary inspection.—The approximate cost of the sanitary-inspection service exclusive of smoke-inspection service,

was \$17,079.77.

EIGHT-HOUR LAW FOR FEMALES.

Establishments coming within the purview of the eight-hour law for women during the year numbered 1,892. During the year 10,704 inspections were made; 147 complaints were received necessitating 104 inspections. Six violations of the law regulating the hours of labor of females were referred to corporation counsel for prosecution, resulting in personal bonds being taken in 2 cases, fines imposed in 3 cases, and 1 nolle prossed. The amount of fines and forfeitures was \$60. The cost of enforcing the eight-hour law for women during the year was \$4,653.52.

THE POUND SERVICE.

The total number of animals received at the pound during the fiscal year 1918 was 5,822, as follows—3,257 dogs, 2,555 cats, 7 horses, 2 cows, 1 mule. Dogs to the number of 1,518 were captured while running at large, and 1,739 were surrendered for destruction or quarantine by the persons having custody of them. Of the captured dogs 95 were tagged but not muzzled, 5 were muzzled but not tagged, and 1,418 neither tagged nor muzzled. The impounded dogs were disposed of as follows—2,782 were killed, 287 redeemed, 157 sold, 18 returned after quarantine. The fees collected through the activities of the pound service during the fiscal year 1918 were as follows: Fees, \$594, sales \$273.50, reimbursements for food \$3.

The total cost of maintaining and operating the pound service during the fiscal year was \$6,791.51. Deducting from this amount the fees, etc., collected, the net cost of the service was \$5,921.01.

See table on page 60 for further details as to work done.

By reason of the continued prevalence of rabies in the District of Columbia, the Commissioners on July 5, 1917, again issued a proclamation requiring the muzzling of all dogs running at large, this requirement to be in effect until July 10, 1918.

BUREAU OF ADMINISTRATION.

On July 15, 1917, Dr. John L. Norris, assistant health officer, resigned to accept a commission in the National Army, and Dr. Wm. C. Fowler, chief of the contagious disease service was appointed to that position.

Correspondence and files.—During the year 11,823 letters and 4,747 oral complaints were received. The letters sent out by the department numbered 14,638. There were entered and filed 1,618 special

reports by employees.

The cost of maintaining this bureau during the year was approximately \$11,090.91.

BUREAU OF VITAL STATISTICS.

Registration of births, stillbirths, and deaths.—Deaths in the District of Columbia, recorded by the bureau of vital statistics, during the year numbered 7,089. Deaths occurring outside of the District of Columbia, the remains being brought into the District for burial, numbered 693.

There were 7,519 birth certificates recorded during the year and 448 stillbirths.

Transcripts from records.—The following table shows the number of transcripts issued from the records of births, stillbirths, deaths, and marriages during the fiscal year 1918. The fees collected for these transcripts amounted to \$704: 191 transcripts were issued without fee to various bureaus and offices of the Government.

Transcripts issued during fiscal year 1918.

To whom issued.	arriages.	Births.	Deaths.	Total.
Commissioner of Pensions	5	9	126	140
Police department		15	3	15
Exemption boards			1	1
Adjutant General, United States Army			1	1
War Department			1	1
Fire department			2	
District of Columbia attorney Assessor			1	
United States Marine Corps			i	i
War Risk Bureau			1	
Associated Charities		2	2	- 4
United States Navy		1		1
Fees charged		441	963	1, 408
rees charged	7	441	900	1, 40
Total	9	484	1,117	1,610

Amount collected from fees, \$704.

Registration of physicians, dentists, undertakers, and midwives.— The following table shows the number of physicians, dentists, undertakers, and midwives on the registers of the health department during the fiscal year 1918:

	On register June 30, 1917.		Known deaths during year.	On register June 30, 1918.
Physicians. Dentists. Undertakers Midwives.	886	1 54 34 8	9	1,960 1,920 310 88

¹ Licenses registered, 34; registered without licenses—Navy, 11; Army, 4; Public Health Service, 1; Marine Corps, 4.

Permit and complaint office.—The number of complaints received during the fiscal year 1918 was 4,748.

Cost.—The cost of maintaining and operating the bureau of vital statistics during the year was \$6,430.11. Fees for the issuance of transcripts amounted to \$704, leaving the net cost of the bureau during the year \$5,726.11.

LEGISLATION.

Amendments to the regulations governing public health were made during the year as follows:

> COMMISSIONERS OF THE DISTRICT OF COLUMBIA. EXECUTIVE OFFICE.

An Act To regulate the practice of podiatry in the District of Columbia.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That from and after the passage of this act it shall be unlawful for any person, for compensation, to practice podiatry in the District of Columbia without first successfully having passed such examination concerning his fitness as the health officer of the District of Columbia may prescribe. The health officer aforesaid shall conduct the examination.

No person shall be permitted to take the examination without first paying a fee of \$10 to the District of Columbia. None of the provisions of this act shall apply to regular practicing physicians or surgeons. Neither shall they apply to podiatrists who have been practicing podiatry in the District of Columbia for one year next preceding the approval of this act.

Podiatry (or chiropody) is hereby defined to be the surgical, medical, or mechanical

treatment of any ailment of the human foot, except the amputation of the foot or any of the toes; and also except the use of an anesthetic other than a local one.

Whoever violates any of the provisions of this act shall be guilty of a misdemeanor, and, upon conviction thereof, shall be fined not less than \$50 nor more than \$100, or imprisoned not less than thirty days nor more than one hundred days, or both so fined and imprisoned.

Approved May 23, 1918.

ORDER REQUIRING THAT DOGS IN THE DISTRICT OF COLUMBIA BE MUZZLED.

COMMISSIONERS OF THE DISTRICT OF COLUMBIA, EXECUTIVE DEPARTMENT, July 5, 1917.

Ordered, That under the provisions of section 7 of the act of Congress approved June 19, 1878, entitled "An act to create a revenue in the District of Columbia by levying a tax upon all dogs therein, to make such dogs personal property, and for other purposes," the Commissioners hereby give notice that every dog in the Disother purposes, the commissioners acroey give now and after the 10th instant, wear a good and substantial muzzle, securely put on, so as to prevent it from biting or snapping, and any dog going at large during said period without such muzzle shall be taken upon by the pound master and impounded.

Official copy furnished health department.

By order:

(Signed)

D. J. Donovan, Secretary.

Officially published in the Washington Star and Times and the Herald and Post, July 7, 1917.

PERSONNEL.

The organization of the health department has been materially disarranged during the current year by reason of employees being called into the military service. Those called into service prior to the close of the fiscal year were as follows:

Health office status.	Name.	Service.	Rank.
Chauffeur	Percy Talley	Red Cross	Nurse. Drafted. Do. Major.

Since the close of the year, the following additional officers and employees have entered the military service:

Health office status.	Name.	Service.	Rank.
Do Clerk. Laborer. Chauffeur	Francis X. Dowd John C. Morris James C. Maddox, jr. Wm. Stewart. Rhozier D. Brown Dr. Harry V. Neale.	NavyArmy	Do. Yeoman. Drafted.

Respectfully,

W. C. Fowler, M. D., Health Officer.

The Commissioners of the District of Columbia.

APPENDIXES

TO THE

REPORT OF THE HEALTH OFFICER

OF THE

DISTRICT OF COLUMBIA.

The publication of these reports as appendixes to the report of the health officer is not to be construed to mean that the opinions and recommendations set forth in them have been adopted by the health department.



APPENDIX A.

REPORT OF THE CHIEF MEDICAL INSPECTOR.

August 26, 1918.

Dr. WILLIAM C. WOODWARD,

Health Officer, District of Columbia.

SIR: I have the honor to submit the following report for the fiscal year ending June 30, 1918, of work done in the contagious-disease service, disinfecting service, and the public crematorium. The figures relating to administrative matters cover the fiscal year named. Those relating to morbidity and mortality cover the calendar year 1917.

COMMUNICABLE DISEASES.

Figures showing the prevalence and fatality of each of the reportable diseases will be found with the tables relating to the disease. There was a decrease in the number of reported cases of anterior poliomyelitis, tuberculosis, and whooping cough, and an increase in chicken pox, diphtheria, epidemic cerebrospinal meningitis, measles, pellagra, scarlet fever, smallpox, and typhoid fever.

Diphtheria.—During the calendar year 1917, 1,130 cases of diphtheria, including 3 Army and Navy cases, were reported, with 37 deaths (3.2 per cent), as against 647 cases and 33 deaths (5.1 per cent)

in the preceding year.

Seven institutional outbreaks occurred, as follows, a very large percentage of cases reported being, however, carrier cases:

Institution.		nning of tbreak.	Cases.	Deaths
St. Ann's Infant Asylum Bruen Home Florence Crittenden Home Bell Home. German Orphan Asylum. Children's Hospital.	Mar. Mar. June Oct.	15, 1917 21, 1917 25, 1917 11, 1917 10, 1917 7, 1917	48 17 5 4 5 5	2

A very small percentage of the cases were clinical diphtheria. If those in charge of institutions would culture every case upon admission and isolate each case pending the result of the culture, much good might be accomplished and outbreaks probably prevented. Should a diphtheria carrier be found, that fact would be discovered before much harm could be done.

From January 1, 1918, to June 30, 1918, 314 (including 59 Army and Navy) cases of diphtheria, with 17 deaths, as against 332 cases

with 15 deaths for the preceding year, were reported.

Scarlet fever.—During the calendar year 1917, 584 cases of scarlet fever with 8 deaths were reported, as against 530 cases with 6 deaths

for the preceding year, an increase of 54 cases. The percentage of deaths to cases increased from 1.1 per cent to 1.4 per cent. From January 1, 1918, to June 30, 1918, 789 (including 147 Army and Navy) cases and 14 deaths were reported, as against 269 cases and 5 deaths for the corresponding period of the preceding year.

Institution.	Beginning of outbreak.	Cases.	Deaths.
Industrial Home School	Oct. 14, 1917 Apr. 24, 1917	8 8	

Typhoid fever.—During the calendar year 1917, 338 cases of typhoid fever with 49 deaths were reported, as against 308 cases with 46 deaths for the preceding year. While it is to be observed that there was an increase of 30 cases, the percentage of fatalities, however, decreased from 14.9 to 14.4 per cent. No milk nor institutional outbreaks of typhoid fever were discovered during the year.

Investigation of 338 cases of typhoid fever gave the following

information:	U
Contracted outside of the District of Columbia. Contracted probably outside of the District of Columbia. Contracted from other cases.	2 5
Contracted probably from other cases	1 180

The source of water supply used by these patients was as follows:

Potomac water exclusively. 144
Well water. 10
Spring water. 0

In 46.4 per cent of the cases in which information was obtainable the premises were well screened; 6.1 per cent of the patients had eaten raw oysters; 33.4 per cent had eaten raw vegetables; 27.2 per cent had eaten ice cream; 1.7 per cent had bathed at the bathing beach; 4.4 per cent had bathed in the river and at other places; 0.8 per cent had employed new domestics; 16.8 per cent had eaten meals outside their own home within two weeks of onset; 2.6 per cent had visitors at their home; and 0.2 per cent had visited other places where a case of typhoid fever existed.

From January 1 to June 30, 1918, 56 (including 3 Army and Navy) cases were reported with 16 deaths, as against 65 cases with 11

deaths for the corresponding period of the preceding year.

Smallpox.—During the calendar year 1917, 11 cases of smallpox were reported, all of which recovered. During the previous year 4 cases were reported with no deaths. During the first six months of 1918, 30 (including 1 Army) cases were reported

The vaccination histories obtained from the patients were as follows:

Never vaccinated. 6
Never successfully vaccinated. 5

Whooping cough.—During the calendar year 1917, 1,013 cases of whooping cough were reported with 18 deaths, as against 2,224 cases and 41 deaths during the previous year. During the first 6 months of 1918, 823 cases were reported (no Army or Navy).

Measles.—During the calendar year 1917, 3,807 cases of measles were reported with 14 deaths, as against 2,642 cases and 6 deaths during the previous year. During the first 6 months of 1918, 6,848 cases were reported, including 406 Army and Navy cases.

Four institutional outbreaks occurred, as follows:

Institution.	Beginning of outbreak.	Cases.	Deaths.
Bruen Home 8t. Benedict's 8t. Vincent's Orphanage. 8t. John's Orphanage.	Mar. 16,1917 Apr. 18,1917 May 1,1917 Dec. 10,1917	10 11 9 37	

Tuberculosis.—During the calendar year 1917, 1,006 cases of tuberculosis were reported with 633 deaths, as against 1,061 cases and 694 deaths during the previous year.

Pellagra.—During the calendar year 1917, 19 cases of pellagra with 14 deaths were reported, as against 16 cases and 9 deaths during the previous year. Of the 19 cases reported, 9 were white and 10 were colored.

Leprosy.—There were no new cases of leprosy reported. department has still in its care one leper who came to Washington

in June, 1914.

Acute anterior poliomyelitis .- During the calendar year 1917, 6 cases of acute anterior poliomyelitis with 2 deaths were reported, as against 39 cases with 6 deaths during the previous year. There have been no cases of the disease reported during the first six months

of the calendar year 1918.

Epidemic cerebrospinal meningitis.—During the calendar year 1917, 33 cases of the disease were reported with 17 deaths, as against 6 cases with 4 deaths. During the first six months of the calendar year 1918, 108 cases of meningitis were reported with 22 deaths, of which 53 were Army and Navy cases.

ISOLATING WARDS.

The following table shows the number of patients treated at Garfield Memorial and Providence Hospitals, and the diseases for which said patients were treated, together with the total number of patient days during the fiscal year 1917-18.

Service rendered by the isolating wards of Garfield Memorial and Providence Hospitals during the fiscal year 1917-18.

	Cases treated at public expense.				Private cases.				
Diseases treated.		Number of patients.		Patient days.		ber of ents.	Patient days.		
	Gar- field.	Providence.	Gar- field.	Providence.	Gar- field.	Providence.	Gar- field.	Provi- dence.	
Chicken pox. Diphtheria. Diphtheria and scarlet fever. Epidemic cerebrospinal meningitis. Erysipelas. Measles. Searlet fever. Scarlet fever and measles. Suspected Scarret fever. Suspected diphtheria. Suspected Hoptheria.	4 23 1 11 113 3 2	129 2 29	10 146 467 25 226 3,925 63 24	2, 221 10 379	3 1 20 3 9 119 1	91 2 2 57	26 45 342 58 243 3,751 12	38 1,427 10 561	
Suspected epidemic cerebrospinal meningitis. Whooping cough. Whooping cough and measles.	2 9		25 261 59		-		3		
Total	170	178	5,231	2,683	159	162	4,517	2,07	

DISINFECTING SERVICE.

During the fiscal year 1917-18, 2,513 premises were disinfected for the diseases named: Diphtheria, 867; scarlet fever, 697; small-pox, 51; tuberculosis, 828; meningitis, 55; poliomyelitis, 15; and pneumonia, 1.

The following articles were disinfected at the disinfecting station: Mattresses, 52; pillows, 98; rugs, 14; portiers, 5; bolsters, 9; carpets, 11; quilts, 43; pillow cases, 8; cushions, 6; coats, 1; blankets, 25; spreads, 6; suit cases, 3; sheets, 21; cap, 1; strop, 1; couch covers, 3; towels, 5; scarfs, 2; suits of underwear, 2; total, 326.

In the fiscal year 1916-17, 1,794 premises were disinfected and 1.486 articles.

PUBLIC CREMATORY.

During the fiscal year 1918, 509 bodies were cremated—93 adults, 157 infants, and 259 stillborn babies. The total cost of maintaining the crematory, including personal service, repairs, supplies, etc., was \$1,686.83.

Estimating the bodies of 157 infants as equivalent to 14 adult bodies, and excluding stillborn children altogether, an equivalent to 107 adult bodies were cremated. Figured on 107 adult bodies, the cost of cremation for an adult body was \$15.75.

There were 33 private cremations during the year, for which fees were paid amounting to \$925. Deducting this amount from the total cost of maintenance, the net cost to the Government for the maintenance of the crematory was \$761.83, and the cost of cremat-

ing each adult body required to be buried at public expense was \$10.15.

The crematorium was in operation during the year 103 days. Very respectfully,

H. S. Bernton,
Chief Bureau of Preventable Diseases and
Director of Bacteriological Laboratory.

Hospitalization of communicable diseases during the calendar year 1916–17, exclusive of cases treated in Army and Navy hospitals.

			Tı	eated in	hospital	s.
Diseases.	Cases re	ported.	Number of cases.		Per cent of all cases.	
	1916	1917	1916	1917	1916	1917
Diphtheria	647	1, 127	221	253	34.1	22. 4
Scarlet fever	530	527 3,465	173 50	231 130	32.6 1.9	43.7
Whooping cough	2,224	1,012	15	16	.7	1.5
hicken pox	1,139	1,244	8	19	.7	1.5
mallpox	4	7	4	7	100.0	100.0
pidemic cerebrospinal meningitis	6	24	5	19	83.3 10.3	79.1
nterior poliomyelitis	308	335	196	220	63, 6	65.0
Pellagra		18	11	14	68.8	77.7

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APPENDIX B.

REPORT OF THE CHIEF FOOD INSPECTOR.

JULY 1, 1918.

Dr. WM. C. WOODWARD,

Health Officer, District of Columbia.

DEAR SIR: I have the honor to submit the annual report relative to the operation of the food-inspection service during the fiscal year

ended June 30, 1918.

Dairy farms.—A comparative statement showing the number and location of dairy farms from which milk is sold in the District of Columbia, the number of cattle on such farms, and the frequency of farm inspections, for the fiscal year 1917–18, is submitted. (See p. 19.) There was a decrease during the year of 8 in the number of dairy farms registered and a decrease of 721 in the number of cattle.

The small decrease in the number of licensed farms is remarkable considering the large number of men having been drafted for the National Army or left the farms for positions paying higher salaries at this time. All licensed dairy farms and applicants for licenses having been accepted were inspected within the past six months. Within the past year special attention has been given to the uniformity of scoring dairy farms by inspectors of the department. The purpose of the score card used in this connection with the inspection of a dairy farm is threefold: (1) To insure thoroughness on the part of the inspector; (2) to inform the dairy farmer with fullness and exactness of detail wherein his farm falls short of the ideal dairy farm; (3) to inform the health officer with such exactness as is possible by a written report of the conditions existing on the farm. Unless the score card accomplishes these results, it falls short of its purpose. In order that the dairy farm inspectors might use the score card so that its object will be accomplished, monthly conferences were held at the health office and on the dairy farms, at which time the various items of scoring were discussed and a definite decision as to the correct score determined. These methods have resulted in very satisfactory scoring of dairy farms for the past year.

Tuberculosis and tuberculin testing.—Fifteen thousand two hundred and sixty-nine cattle on farms producing milk for sale in the District of Columbia were reported as being officially tested during the year. Of the cattle reported, 14,715 passed, 448 reacted, and 106 were regarded as suspicious. Reports from these herds which are regularly tested are still gratifying in that practically no reactions are noted. The percentage of tuberculous animals found increased from 3.3 to 3.6 per cent, due to the importing of new cows on the dairy

farms already registered.

Dairies.—There was a decrease in the number of inspections of dairies this year, due in part to the fact that the inspector assigned to this work has been required, as heretofore, to devote a portion of his

time to investigating and obtaining data relative to unlicensed milk

shippers sending milk into the District of Columbia.

Pasteurization and grading.—From the results of examination of specimens of milk sold in the District of Columbia it is evident that the pasteurization of milk should be under the control of the District government, and I so recommend; and further, that all milk sold here be required to be labeled as of a specified grade, such grades to be established by law.

Milk cans.—Approximately 25,180 milk cans being returned to producers were examined during the year. Of this number 465 were tagged so as to notify the owner that such cans were not suitable for the purpose for which they were being used. Invariably this tagging resulted in the discontinuance of the use of the cans for shipping

milk.

Inspection of markets, groceries, and other places where foods are prepared for sale and sold.—There was an increase in the number of inspections of places of this character during the year, accounted for by the systematic routing of the inspection districts. This year no restaurant was granted a license by the health department until the applicant had placed the lunch room in a sanitary condition. It is my opinion that markets, grocery stores, and other places where food is sold should be equipped and constructed for the purpose to which such places are to be put to the satisfaction of the health officer, before being licensed each year. The percentage of prosecutions referred to the District branch of the police court for places of this character increased in fines and forfeitures 111.10 per cent over the year 1917.

Inspection of slaughterhouses.—There are 15 slaughterhouses in the District of Columbia, and they were examined 234 times. At the time of slaughter 268 cattle, 33 sheep, and 605 calves were inspected. The carcasses of two cattle were found to be unfit for food and were denatured with oil. It is recommended that all animals slaughtered in the District of Columbia for food be inspected and passed before

their carcasses are permitted to be sold for food.

Communicable diseases of animals.—Two hundred and sixty dogs were reported to the health department as rabid, and were examined by the department veterinarians. The increase in the number of reports received was due to the fact that members of the police department had been ordered to report to the health department all cases where persons are found to have been bitten by dogs, and such cases

have been received and acted upon.

Recommendations.—I recommend that an additional section to the regulations for the government of dairies and dairy farms be again recommended to the commissioners as follows: On and after July 1, 1918, all cattle on any dairy farm on which milk is produced for sale in the District of Columbia shall be free from tuberculosis, as demonstrated by the application of an official tuberculin test, the test to be applied once each year or as often as the health officer may deem it necessary.

It is further recommended that said regulations be amended so as to provide that no milk or cream brought or sent into the District of Columbia for sale or manufacture, or be sold, stored, held for sale, or offered for sale in this jurisdiction, unless said milk or cream be kept at a temperature not exceeding 50° F., and that no utensils used to receive the milk as secreted from the udder of the cow shall have an uncovered opening at the top exceeding 7 inches in diameter.

It is recommended that section 12a of an ordinance to prevent the sale of unwholesome food in the District of Columbia be amended so as to provide that no market, store, or stall where food is offered for sale and sold shall be established, maintained, or continued without a certificate from the health officer that the premises are in a sanitary condition and suited to the conduct of such business.

Recommendation is also made that the manager of every cold-storage plant in the District of Columbia be required to keep a record, accessible to the health department, of the movement of perishable

food products into and out of his plant.

It is further recommended that all dealers, whether indoors or out, in meat or other food which is not commonly washed, peeled, or cooked before being eaten, be required to provide cases for displaying such articles, so that such food will be protected from flies and other insects, as well as to prevent indiscriminate handling of these products by prospective purchasers.

R. R. Ashworth, D. V. S., Chief Food Inspector.



APPENDIX "C."

REPORT OF CHEMIST.

AUGUST 5, 1918.

SIR: I have the honor to submit the following report relative to the work performed in the chemical laboratory during the fiscal year 191

During the year there was examined a total of 8,563 samples, as

follows:

TABLE I.

Health department, examinations for— Candy	103
DrugsFoods	4
Water. Miscellaneous.	153 54
Corporation counsel, examinations for. 3 Police department, examinations for. 79 Purchasing officer, examinations for 2	8, 479
	84
	8,563

A detailed tabular statement of the above articles, together with a similar statement for the fiscal year 1917, appears on page 61.

MILK AND CREAM.

The usual data concerning the collection of milk and cream samples, results of analyses, and results of prosecutions during the fiscal year 1918 are given in the following tables:

Table II.—Milk: Sources of samples collected, the number from each source, and the percentage from each source below standard during the fiscal year 1918.

Source.	Number collected.1	Per cent of total collec- tions.	Below 3½ per cent butter fat.	3 per cent and below.
District of Columbia dairymen Stores, lunch rooms, etc	1,078 176	14.70 2.40	15. 25 42. 04	2.07 12.50
Maryland Virginia. Union Station from Moreland form	1 777	10. 67 9. 50 24. 24	21.83 20.51 17.95	4. 72 3. 30 3. 54
Stations, from Virginia farms Union Station, from other States Total	2,822	38. 49	16.05	3.96

¹ Does not include 103 samples of milk used for experimental purposes, examined for preservatives or acidity, or illegally shipped into this District.
39

TABLE III.—Cream: Places where samples were collected, the percentage from each source of those found below standard, and the percentage from each source of those containing 18 per cent and less of butter fat during the fiscal year 1918.

Source.	Number collected.1	Per cent of total collec- tions.	Below 20 per cent fat.	Below 18 per cent fat.
District of Columbia dairyman	44 2	20. 95 0. 95	86.36 100.00	52.27 50.00
Wagons from— Maryland Virginia	42	7.14 20.00	86.67 57.14	60.00 23.81
Union Station, from Maryland Stations, from Virginia Union Station, from other States	54 50	25.72 23.82 1.42	61.11 64.00 33.33	31. °9 34. 00
Total				

¹ Does not include 38 samples of cream illegally shipped into this District.

Table IV.—Milk and cream: Percentages containing less than the legally required amount of butter fat and the percentage of milk containing added water, annually during the 5 fiscal years ending 1918.

Fiscal year.	Cream containing less than 20 per cent of butter fat.	Milk containing less than 3½ per cent of butter fat.	Milk containing added water.
1914	48. 27	4. 69	0.97
	57. 73	7. 71	.76
	61. 39	8. 52	1.22
	64. 09	10. 63	1.50
	68. 09	18. 02	1.57

Table V.—Prosecutions for the sale of milk below standard, milk containing added water, and milk containing foreign matter, and cream below standard, in the District of Columbia during the fiscal year 1918.

Sources of samples.	Prosecu- tions.	Nolle	Tı	Pending June 30, 1918.		
		prossed.	Personal bonds.	Fine forfeit		1910.
Resident milk dealers Stores, lunch rooms, etc. By rail from—	24 19	1		(13)	\$60 255	20
Maryland Virginia	33 63	3		(12) (17)	180 260	21 43
By wagon from— Maryland. Virginia	23 17			(11) (4)	120	12 13
Total.	179	4			\$895	114

Note.—Action was suspended in 40 cases during the year. Forfeitures and fines for illegal shipments aggregated \$35 (5 cases).

It will be noted that there has been a steady increase in the percentages of cream containing less than 20 per cent butter fat and of milk containing less than 3½ per cent fat during the last four fiscal years. The latter condition is probably due, as stated in

my report for 1917, to the wider introduction of Holsteins into the herds supplying this District. While the milk so produced is wholesome, it has a tendency toward lower fat content and increased volume, the latter condition being of great advantage to the producer in these days of high milk prices. The large proportion of cream in samples containing less than 20 per cent fat indicates, in my opinion, that our standard is somewhat too stringent.

The percentage of milk samples containing added water is about the same as last year, which is too high. Undoubtedly, the unsatisfactory status of the milk laws in this District, which condition, it is hoped, has now been relieved, had encouraged some shippers in the practice of watering milk. The unusually large demand for milk in the District, due to the influx of a large number of war workers and the high prices prevailing, have probably led to a greater amount of watering than usual. It is hoped that the more vigorous handling of these cases in the courts which was manifested during the past fiscal year will result in less watering in the future.

WATER.

During the year 153 samples of water were subjected to a sanitary chemical analysis, as follows:

TABLE VI.-Water.

Sources.	Total samples examined.	Good.	Suspicious.	Con- demned.
Dairy farms. Private wells. Public schools.	3 24 13	12 13	3 6	6
Public wells. Bottled waters.	72	46 20	12 7	14 14
Total	153	91	28	34

All of the samples of water from dairy farms were classed sa suspicious. From private wells, 50 per cent showed no evidence of pollution, 25 per cent were classed as suspicious, and 25 per cent were condemned. From public-school wells all the samples were free from injurious contamination. Of the samples from public wells 63.88 per cent were free from pollution, 16.34 per cent were classed as suspicious, while 19.78 per cent were condemned; 48.78 per cent of the bottled waters examined were free from injurious contamination; 17.07 per cent were classed as suspicious, while 34.15 per cent were condemned as polluted.

MISCELLANEOUS SAMPLES.

Bread.—Thirty-one samples of bread were analyzed, the composition and relative economy of the loaves being determined. The results indicated that the price of bread in the District of Columbia was about the same in January 1918, as in January, 1917.

was about the same in January, 1918, as in January, 1917.

On the request of the United States Food Administration 11 loaves of bread were purchased in May and the net weight of each determined as also the weight of bread received by the consumer for each

cent spent. It appeared from the results that the cost of bread to the consumer had increased 12.8 per cent between January and

May, 1918.

Butter.—Of the 17 samples sold as butter one was found to be oleomargarine. The defendant was fined \$20. The other samples were genuine butter, but in nine cases they were deficient in fat, contained excess water or salt, or both. In two of these cases action was suspended, while the others are pending.

Cheese.—A total of 52 samples of cheese was examined during the year. Of these 51 were legal, while 1 was deficient in fat. Action

was suspended in this case.

Dried fruits.—Of the 30 samples examined 7 were free from adulteration, while the remaining 23 contained sulphur dioxide in excess of 350 milligrams per kilogram, the limit previously established by the United States Department of Agriculture. As the question of the sulphuring of food products is still under investigation by the Bureau of Chemistry, no prosecutions were recommended in these cases.

Hamburger steak.—Thirty-nine samples were purchased and examined for preservatives, artificial color, and wholesomeness. Of these, 35 samples were free from adulterants, while 3 were filthy, decomposed, and unfit for food. Collaterals of \$20 were forfeited in two of these cases, while one is pending. One sample was found to con-

tain sodium bisulphite and the vendor was fined \$20.

Lard.—During the year 71 samples sold as lard were submitted for analysis. Of these, 66 were genuine lard, free from adulterants; 3 contained beef stearin, while 2 contained both cottonseed oil and beef stearin. Fines aggregating \$60 were imposed on the vendors of the adulterated samples.

Nut margarine—This product, which has assumed quite an imporant rôle as a substitute for the high-priced butter, was sampled. Of the 33 samples analyzed only one was illegal, containing animal

fat. This case is pending.

Oleomargarine.—Of the 15 samples purchased as oleomargarine 10 were legal, 2 were slightly deficient in fat, 2 were deficient in fat and contained excess water, while 1 was a nut margarine. No prose-

cutions were recommended in these cases.

Oysters.—The practice of many oyster dealers of shucking their oysters into a vessel containing a layer of water seems so fixed that it is difficult to break them of it in spite of the fact that it has been demonstrated to them that a watered product results. Their persistence in this bad habit, together with careless or too long washing of the oysters, has led to the sale of much "watered stock" in this District. This is, of course, a double fraud, as a watered oyster swells and appears to the average consumer of finer quality than it really is. Furthermore, since the watered oyster absorbs a substantial amount of water, the consumer is paying oyster prices for water.

Of the 81 samples of oysters submitted for analysis, 44 were unadulterated, 7 were classed as suspicious, while 30 samples contained substantial amounts of added water. Action was suspended in 17 cases, in 3 cases a nolle prosequi was entered, while fines and forfeitures

aggregating \$170 were assessed in the remaining cases.

Sugar.—Twenty four samples of sugar were examined and found free from adulterants. One sample contained a trace of foreign vegetable tissue, probably derived from the bin in which the sugar had been stored.

Five samples of sugar which had been damaged by fire were submitted for analysis to determine if fit to use in the manufacture of sirups. Four samples were caramelized to such an extent that they

were rejected, while one sample was passed.

Examinations for presence of "glass"—As a result of the publication of several sensational newspaper articles stating that ground glass had been found in various articles of food consigned to our soldiers and sailors and that this was part of a diabolical German plot, the public was thrown into a state of hysteria on the subject of "glass" in food products. Every time someone felt something gritty between his teeth, or suffered a slight attack of indigestion due to some dietary indiscretion, at once the newspaper articles were recalled and the cry of "glass" arose. As a result of this hysteria a total of 76 samples of a wide variety of food products was submitted to the laboratory to determine whether glass was present therein. Of these, 18 samples were submitted through the police department. Among the samples submitted were hominy, jelly, candy, ice cream, canned goods, cereals, sausage, cakes, bread, sugar, salt, milk, peanut butter, cheese, and cooked meat. Of the 76 samples examined glass in appreciable quantity was found in 16 cases. In many instances sand was found, and in one instance, a sample of rye meal, pieces of what appeared to be the burrs of a burr mill were found. In no instance was the character or quantity of the glass found such as to lead one to the conclusion that it had been added with malicious intent. I am of the opinion that in every case brought to the attention of this laboratory the presence of the glass in the food products was an isolated example of accident or carelessness.

I do not believe that a larger proportion of food products contain glass now than before the war. If we had looked for glass four years ago, we would probably, in my opinion, have found as large a propor-

tion as during the fiscal year 1918.

Examinations for the police department.—The examinations for the police department fall under four heads: (1) Examinations for blood or seminal stains; (2) examinations for the presence of poison or glass; (3) examinations for alcoholic content; (4) examinations for

violations of the pharmacy act.

Examinations for blood stains.—Three articles of clothing, a fence picket, a knife, and an iron bar were submitted. Two of the articles of clothing were found to contain blood stains, as was the fence picket which, it is alleged, was used by a negro in murdering a soldier. The iron bar, alleged to have been used in a very brutal murder, was found to contain stains responding to tests for blood. These cases are

pending.

Examinations for the presence of poisons or glass. - Eighteen samples, suspected to contain glass, have been mentioned above. Fourteen samples were submitted for analysis to determine whether poisonous substances were present. All were found free from poisons or other injurious substances, with the following exceptions: One sample of coffee was found to contain oil of turpentine; a sample of peptomangan contained phenol or carbolic acid; a capsule was found to contain strychnine; while two powders, alleged to have been intended for poisoning a horse, were found to contain arsenic and barium carbonate. These cases are pending.

Examinations for alcoholic content.—Since the Sheppard prohibition law went into effect a number of varieties of "near beers" and cereal beverages have entered the Washington market. Twelve samples, comprising 11 different brands, were submitted and examined for alcoholic content. In every instance the beverages of this type were found to have a very low alcoholic content, usually about 0.30 per cent by weight. Five samples of the "hot" and "tonic" types of beverage were also found to have low alcoholic contents. Of the four liquids suspected to be beer, three were found to contain between 1.75 and 2 per cent, by volume, alcohol, while the other contained 2.8 per cent, by volume, alcohol. The defendant in the latter case was found guilty of selling liquor to soldiers and was sentenced to serve 10 months in jail. Of the 11 liquids suspected to be whisky, 5 appeared to be whisky from their alcoholic contents and physical and chemical properties; 4 were diluted whisky; 1 was apparently composed of whisky, water, and sugar; and 1 contained less than 0.50 per cent alcohol. These cases are pending.

Examinations in re violations of pharmacy act.—These included the analyses of two samples of insect powder which were found to be properly labeled in accordance with the law. Three samples of "Corbin's Wonderful Rheumatism Remedy," were found on analysis to consist chiefly of whisky and water, containing a trace of resinguaiac in solution and a piece of the undissolved resin at the bottom of each bottle. The quantity of guaiac in solution was so small that in order to get a medicinal dose (15 grains) the "patient" would have to take a whole bottle of the "cure," in which case he would probably be intoxicated beyond sensation. This case was dismissed because it was not proved that the defendant peddled the product on the streets. This department has filed an information for violation of the Federal food and drugs act against the defendant and the case is

pending.

Time consumed in police department work.—During the fiscal year 1918 the chemist spent 58 working days, or 19.6 per cent of his working time, on analytical and court work for the police department. The assistant chemist also performed work for the police department during 9 days, or 3 per cent of his working time for the year.

A number of other samples were submitted by the police department and these, together with other miscellaneous samples submitted during the year, appear in the detailed statement appended to this

report.

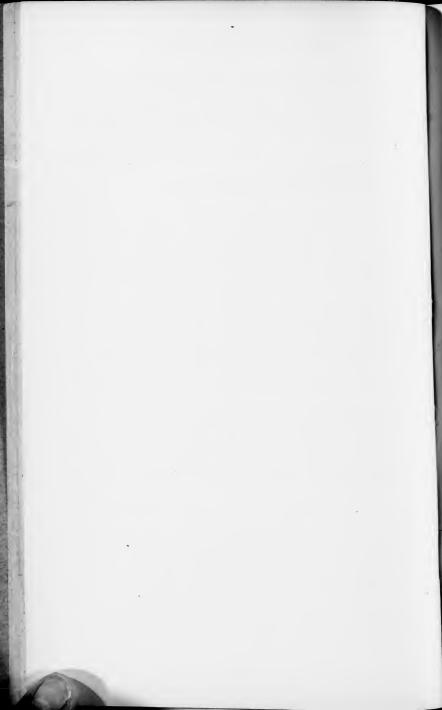
Recommendations.—It is recommended that that portion of the act of February 17, 1898, relating to standards for milk and cream sold in the District of Columbia be amended so as to read: "Eighth In the case of milk, if it contains less than three and one-quarter per centum of fat, less than eight and one-half per centum of solids not fat, or more than eighty-eight and one-quarter per centum of water." "In the case of cream, if it contains less than eighteen per centum of butter fat." This is requested so that our standards may be in harmony with those recommended by the commission on milk standards and the Association of Official Agricultural Chemists.

It is recommended further that the public passageway through the laboratory be closed. The almost constant traffic is a source of great annoyance to the laboratory force and interferes with the work at

times. By closing the passageway it would be possible to lock the laboratory and prevent the entrance of strangers in the absence of the chemist or his assistant, which is now impossible. At the same time, it will be possible to utilize the closed passageway as a storeroom, which is badly needed by the laboratory. The details of this project are given in the estimates for maintaining the laboratory during the fiscal year 1920.

M. A. Pozen, B. S., Phar. D., Chemist.

WM. C. WOODWARD, M. D., Health Officer, District of Columbia.



APPENDIX D.

REPORT OF SEROLOGIST.

JULY 13, 1918.

Sir: I have the honor to submit the following report of the activities of the biological laboratories during the fiscal year 1918:

The laboratories examined and reported upon 20,418 specimens during the year.

BACTERIOLOGICAL LABORATORY.

Diphtheria.—Cultures submitted for the diagnosis of diphtheria numbered 15,675, as against 10,172 during the previous fiscal year. This increase of 5,503 was due to an outbreak of clinical diphtheria in certain of the schools of the District at the beginning of the school year, and when clinical cases were diagnosed as such, cultures of contacts and possible contacts were made in order that incipient infections might be detected and that "carrier" cases might be detected and isolated, thus preventing a widespread epidemic. Of the 998 primary positive cultures examined, 694 were from carrier cases and 304 from clinical cases.

I would strongly recommend that the department should require that two successive negative cultures be obtained from the nose and throat of the diphtheria patient before the case is released from quarantine. The bacteriologist has on record several cases where the culture from a patient is shown as being negative upon one examination and a few days later a culture from the nose and throat of the patient would show nearly a pure culture of the *B. diphtheriae*. These studies were made upon patients in institutions where the cases could be controlled by the department and served to prove the contention that a single negative is a dangerous criterion. This may hold because of faulty technic in making the culture or because the too liberal use of throat antiseptics so attenuates the bacillus that it will not grow on artificial culture media, but, whatever the cause, it would seem to be a "safety-first" measure to require the two negative cultures, about three or four days apart, instead of one as formerly.

Tuberculosis.—There has been a marked decrease in the number of examinations of specimens for the diagnosis of tuberculosis during the year, 1,292 being submitted in 1918, whereas there were 1,589 sent to the laboratory in 1917. This is not easy to understand, because, on account of the almost 30 per cent increase in population in the District within the space of a year and the resultant crowded living conditions, it would seem illogical that there should have been anything but an increase in the suspected cases of tuberculosis. It might be well to bring to the attention of the physicians of the city that with the excellent equipment in this laboratory and the uniformly good results from the use of the technic of Kinyoun and

Dieter, the department is in a position to render them valuable assistance in the diagnosis of their laryngeal, bronchial and pulmonary cases. It might be noted in the passing that only one institution in the District submits its suspected sputum to the department for diagnosis. It seems to me that it would facilitate the work of both the various institutions and the department as well if they would send their sputa to this laboratory for diagnosis. It would release their pathologists for duties that might be more pressing and would aid the department in recording positive cases, which is done automatically upon the identification of the tubercle bacillus.

Typhoid fever.—The typhoid bacillus has been isolated from the excreta of persons on dairy farms that supply milk to the District in two instances. The shippers' licenses were suspended until the persons were proven free of the infection, which undoubtedly controlled what might have developed into a serious situation. Fewer specimens from suspected cases were submitted during the year and of the 390 blood samples tested 139 gave a positive reaction.

I wish to reiterate, with emphasis, the suggestion made by the bacteriologist in his last annual report that all who handle food be required to pass an examination to determine their freedom from typhoid. This would eliminate a possible means of transmission which might have a strong bearing on typhoid control in the future.

Drinking fountains.—Investigations of the various kinds of drinking fountains have been continued throughout the year, but none of the manufactured types has been found satisfactory from a sanitary standpoint. However, after many attempts, a fountain has been perfected by Dr. Louis V. Dieter, the bacteriologist of the department, which has passed some rather severe bacteriological tests and I would recommend that its various improved features, both sanitary and mechanical, be brought to the attention of the commissioners with the idea of their adopting this type for use in the District of Columbia. I have found in my tests that it is practically impossible to contaminate the source of the stream or the stream itself in the course of the laboratory experiments, which means that contamination would be even less possible when drinking from it in the ordinary manner. I consider this type as being in a class alone as really sanitary.

Swimming pools, etc.—Examinations of the waters of the swimming pools, wading pools, and municipal bathing beach have been made at regular intervals during the year. In some instances where instructions issued by the department have been observed the sanitary conditions, as exemplified by lowered bacterial content, have improved somewhat. Those which have been shown to be not as sanitary as might reasonably be expected have been brought to your attention in special reports from time to time during the year.

A very extensive and comprehensive study was made of the efficiency of the ultra-violet ray sterilizing apparatus installed in the Dunbar High School. The findings of this investigation have been conveyed to you in a special report.

Public and private wells and water supplies.—Careful analyses have been made of the various public wells in conjunction with the chemist and several of those found to be in a filthy condition have been closed on the recommendation of the department. Analyses were made also of several private wells and sources of supply upon request of owner or occupant of the premises supplied.

Milk and cream.—Bacteriological examinations of milk and cream have been continued as during the previous year. Because of the fact that a large number of the local dealers have retired from the milk business during the year, the laboratory wanted to undertake a complete and thorough survey of the entire supply of milk coming into the District but has been handicapped by two factors—the inability to get and keep a trained assistant for the bacteriologist and in lack of adequate transportation facilities. The latter slows up the work and the former brings it to an almost complete standstill. Owing to the great demand for trained men because of the inroads into laboratory ranks made by the war and the rapidly decreasing numbers in training, the salaries offered by private concerns seem more attractive than that which it is allowed us by law to pay.

Milk as delivered to the consumer has been carefully analyzed and our results show that there is much to be desired. Both the B. coli and total bacterial content can be still further reduced by more

careful handling and pasteurization.

Special investigations.—Bacteriological examinations were made during the year of the soft drinks and mineral waters sold in the District. Two kinds of the mineral waters were found to be filthy and unsanitary and upon action by the department one bottler is out of business and the other has taken steps to remedy the condition. Bacterial controls have been run upon methods used in hotel and lunch-room kitchens for washing dishes, knives, forks, spoons, etc., the results showing that there is the greatest room for improvement. Animals were injected with the growth from the inoculated culture medium. A special report of the results of these investigations is now being prepared by the bacteriologist.

SEROLOGICAL LABORATORY.

During the year the laboratory allotted to the serological diagnosis of disease and that for the propagation of diphtheria antitoxin and typhoid vaccine has been equipped and supplied as well as has been possible on account of the existing war conditions, and work has been started. Considerable difficulty has been experienced in procuring laboratory equipment and supplies formerly obtained by import, but these conditions are being met by American manufacturers very rapidly.

Serological diagnosis.—The Wassermann reaction is being performed without charge for the physicians whose patients are unable to pay the usual fee charged by the private laboratories. The outfit for the collection of specimens is furnished by the department. There is no doubt that this department of the laboratory service will be well patronized now that the physicians are becoming acquainted with

the facilities at their command.

Diagnosis of gonorrhea.—Outfits for the collection of specimens for the determination of the presence of the M. gonorrhoeae are furnished by the department, and these examinations are being made without charge for the physicians. In reporting both the Wassermann reactions and the examination for gonococci a system has been established whereby a number is given each specimen. This number is on

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an identifying card held by the physician and the same number is on the report card so that should the card be lost in transit between the laboratory and the physician for whom it is intended no unauthorized person may get any information in regard to the examination. As these results are not a matter of public record the advantages are obvious.

Cerebrospinal meningitis.—Examinations are made of smears from the nasopharynx of persons having contact with cases of cerebrospinal meningitis when the causative organism has been shown to be the meningococcus, in order that any person found to be infected or a carrier may be isolated and treated until the infection is eradicated. All patients suffering from this disease are proven free from infection by two successive, negative, nasopharyngeal cultures before they are

released from quarantine.

Diphtheria antitoxin.—Diphtheria antitoxin has been prepared, refined, and concentrated, and has been put up in handy, ready-to-use syringes in proper doses, both prophylactic and therapeutic, for administration. This antitoxin is distributed free by the department to those who are indigent or to whom it would be a hardship to be forced to pay for the product of the private manufacturers. A written request is required and also a statement from the physician that he will make no charge for administering the antitoxin. Sufficient antitoxin is on hand for all ordinary demands and the stock is kept fresh and potent at all times.

Typhoid vaccine.—Vaccine for protection against typhoid fever has been prepared and is given free to anyone making application therefor. The injections are given by representatives of the department each Saturday, between 12 and 1 o'clock, in room 8 of the District

Building.

Special investigations.—Researches were made during the year on the biological identification of animal tissues. Rabbits were immunized against the blood serum of sheep, goat, horse, and dog, and precipitation tests made on extracts from the muscle tissue of meat purchased as mutton by the food-inspection service. Differentiation between species was possible, but the reactions were so similar as given by genera of the same species that the method was abandoned as impractical for food-inspection work. These results bear out the findings of the greatest authorities on the subject, notably Nutall, of England, and Molinari, of Italy, whose researches included testing the reaction in the blood of several hundred species and genera of both warm and cold blooded animals.

Herewith is a table showing numerically the various examinations

made in the laboratories.

BACTERIOLOGICAL LABORATORY.

	Six months, July 1, 1917, to Dec. 31, 1917.			Six mon to J	Grand		
	Posi- tive,	Nega- tive.	Total.	Posi- tive.	Nega- tive.	Total.	total.
Diphtheria: Primary cultures Secondary cultures Secondary cultures Sputum for tubercle bacilli Blood for Widal reaction. L'rine and feces for typhoid bacilli Blood for malaria Ophthalmia Mils and cream. Water, wells, etc. Swimming pools, etc. Milk for tubercle bacilli Miscellaneous.	771 149 117 2		8,777 2,817 561 196 14 61 11 583 127 407 11 67		2,771 724 576 182 2 38 9	3,019 1,062 731 204 2 38 9 590 196 259 11 266	11, 796 3, 879 1, 292 390 16 96 20 1, 173 322 666 22 333
Grand total							20,009

SEROLOGICAL LABORATORY.

	Posi- tive.	Nega- tive.	Total.	Posi- tive.	Nega- tive.	Total.	Grand total.
Wassermann				.5	18	23	23
Gonococcus	3	38	41	10 6	19 310	23 29 316	23 29 357
Grand total							409

Respectfully,

W. F. LANDON,
Director Biological Laboratories.

WM. C. WOODWARD, M. D., Health Officer, District of Columbia.



APPENDIX E.

REPORT OF CHIEF SANITARY INSPECTOR.

AUGUST 6, 1918.

Dr. WM. C. WOODWARD,

Health Officer, District of Columbia.

Dear Sir: I have the honor to submit the annual report relative to the operations of the bureau of sanitary inspection during the fiscal year 1918. Tables showing the work done during the year named

appear on pages 58 and 59.

Organization.—The working force of the bureau of sanitary inspection, exclusive of the inspectors provided for the enforcement of the eight-hour law for females, was organized as follows: One chief sanitary inspector, \$1,800; one assistant chief sanitary inspector, \$1,400; eight inspectors, at \$1,200; two inspectors at \$1,000; three inspectors at \$900; total force, 15; total salaries, \$17,500.

Work done.—The following is a summary of the work done:

,	
Complaints acted upon	9, 306
Inspections on complaint.	12,550
Reinspections. Official calls other than calls made for the service of a notice outside of assigned	19,878
Official calls other than calls made for the service of a notice outside of assigned	
inspection districts	20,879
Notices served outside of assigned inspection district	3,570
Number of inspections and character of places inspected of which no complaint	,
was made and not included in the inspections on complaints:	
Baby farms	32
Barber shops.	1, 226
Baking establishments.	/
Camatarias	
Cemeteries Hospitals and asylums	86
House-to-house inspections.	4,626
Lodging and tenement houses.	152
Laundries	1,434
Privies.	
Public baths	2
Public buildings.	64
Playgrounds	25
Printing offices.	143
Public schools	487
Sewage-disposal systems.	152
Stables.	877
Tailor shops.	158
Theaters.	131
Undertaking establishments	16
Unclassified	303
	70.710

Violations of laws and regulations for the prevention and abatement of nuisances were reported in 11,926 instances. Action was taken to correct the condition found, and 11,480 were corrected prior to the close of the fiscal year. The difference, 446, represents the number of cases for which notices were outstanding. There were 20 complaints outstanding at the close of the year.

Prosecutions.—Informations were filed in the police court against 425 persons, charging violations of the laws and regulations relating to the public health, exclusive of the smoke law. These cases were disposed of as follows: Nolle prosequi was entered in 378 cases; personal bonds were taken in 27 cases; collateral forfeited in 12 cases; and fines were imposed in 15 cases. There were 33 cases pending at the close of the fiscal year. The amount of fines and collaterals was \$126. The same system prevailed during this year as prevailed previously, the assistant corporation counsel entering a nolle prosequi whenever the nuisances for the maintenance for which the defendants were charged had been abated before the cases were called to trial, although not abated until after the cases had been submitted for prosecution. Inspectors' time spent in the police court amounted to 78 working-days.

Abatement of nuisances under assessment system.—Under the assessment system 199 notices were served on nonresident owners for the abatement of nuisances on property owned by them in the District of Columbia. In all but 5 cases these nuisances were abated by the owners without the necessity of further action by the commissioners. In the 5 cases in which the abatement was not done by the owners the District caused the necessary work to be done at a cost of \$37, which was assessed as a tax against the property upon which the

nuisance had existed.

Printing offices.—During the year 143 inspections were made of printing offices, an average of one time for each office. Particular attention was given to composing rooms. During the year the sanitary and structural condition of many of these places were greatly

improved.

Hotel kitchens.—Sanitary inspections of hotel kitchens began in March, 1918, and during the year 31 inspections were made. The proprietors of these establishments responded to the suggestions made and cooperated with the health department to better conditions, with the result that more natural light has been provided, ventilation and structural conditions generally greatly improved, and equipment kept in better condition.

Stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems.—Stables, barber shops, laundries, privies, fowl and pigeon houses, sewage-disposal systems, and lodging and tenement houses were registered during the year as shown in the table on page—.

Stables.—During the year 877 inspections were made and 177 misances discovered. The average frequency of an inspection of

each stable was 0.6 times.

Barber shops.—During the year 1,226 inspections of barber shops were made, an average frequency of 2.5 times per each barber shop.

Laundries.—Inspections of laundries during the year number 1,434.

The average frequency of inspection of each laundry was 0.5 times.

Privies.—On June 30, 1918, there were registered in this District approximately 2,733 privies, of which, however, 110 were in the city of Washington or in the suburbs adjacent thereto; 70 privies were abolished on notices served by the department, 5 by the operation of the board for the condemnation of insanitary buildings, and 10 for other causes. There were 2,066 inspections of privies, equivalent to each privy inspected 0.7 times during the year.

In 22 places in which privies were located upon land belonging to nonresidents the inspector of plumbing, engineer department, was requested to have the necessary sewer and water connections made under the assessment system, so that the box privies might be removed. At the close of the fiscal year 9 of these premises had been so connected.

Twenty-one permits for the maintenance of privies temporarily during building operations or other construction work were issued.

Weeds.—Three hundred and sixty-eight notices were served during the year under the provisions of the weed law, of which 47 were notices under the assessment system. In each instance the non-resident owner caused the weeds to be cut and removed from the property. In the absence of a special force for the enforcement of this law it is impossible to enforce it in any substantial manner.

Smoke inspection.—A statement showing the work of the sanitary inspector detailed to enforce the smoke law appears on page 22.

Inspectors detailed.—During the year sanitary inspectors were detailed for clerical duty for periods amounting to 113 days. One clerk was detailed in the clerical service to the sanitary service for 241 days. During the year no sanitary inspectors were detailed to the food service, nor were there any food inspectors detailed to the sanitary service.

Contagious-disease service.—The time consumed by sanitary inspectors on duty in the contagious disease service during the year

amounted to 181 days.

Registration of vital statistics.—During the year 110 cases were investigated by sanitary inspectors in connection with the registration of births, involving the expenditure of approximately 10 working days.

Eight-hour female labor law.—The following is a summary of the

work performed in the eight-hour female labor-law service.

performed in the eight hour remain and a service		
Complaints acted upon. Inspections on complaint. Official calls made. Number of inspections made at various kinds of establishments:	104	
Manufacturing	1,435	
Mechanical	824	
Mercantile	5,440	
Laundries	814	
Restaurants	1,365	
Telegraph and telephone	83	
Express and transportation	194	
Hotels	452	
Tailor shops	53	
Miscellaneous.	44	
1,892 establishments coming within the purview of the law were registered and		
classified as follows:		
Hotels	50	
Laundries	136	
Mechanical	150	
Manufacturing	287	
Mercantile.	1,057	
Restaurants	181	
Telephone and telegraph	9	
Express and transportation	22	

At the close of the preceding fiscal year one case was pending in the police court for violation of law regulating the hours of labor of females. Six violations were reported during the year and referred to the corporation counsel for prosecution. These cases were disposed of as follows: One case was nolle prossed, in two cases personal bonds were taken, and in three cases fines were imposed, and one case was standing at the close of the year. The amount of fines and forfeitures was \$60.

Overtime.—Sanitary inspectors, exclusive of the supervising officer, worked 1,256 hours overtime during the year, equal to 308 working

days.

Recommendations.—I renew my recommendations that the collection and disposal of manure be under the supervision of the District authorities; that the weed law be either repealed or some supervision made that will enable the health department to enforce it in a substantial manner; that the act for the prevention of smoke and for other purposes, approved February 2, 1899, be amended so as to include railway locomotives, steamboats, and portable engines; and that regulations be promulgated looking toward the supervision of the baby farms and other places where children are being kept for pay.

Respectfully submitted.

Chas. R. Holman, Chief Sanitary Inspector.

APPENDIX F.

MISCELLANEOUS TABLES.

Work done by the sanitary inspection service during the fiscal year 1917-18, with reference to nature of nuisance and date of report.

			19	17					19	18			-18.	-17.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	Total for 1917-18.	Total for 1916-17.
Alleys, filthyAreas Cellars FowlsLots:	22 17 27 35	28 18 30 21	18 20 28 36	15 17 19 25	14 9 9 25	5 11 6 18	5 6 14 2	17 13 7	54 32 23 36	52 19 21 22	72 29 53 26	50 37 52 37	352 215 295 290	368 237 292 342
Filthy Stagnant water Manure accumulations Manure receptacles Plumbing defective Premises unwholesome Privies:	18 34 22 24 5 27	27 15 20 20 7 32	20 3 7 8 10 30	14 3 5 28 23 31	15 1 6 12 14 24	13 6 5 18 23	3 5 6 50 27	11 5 5 16 31	73 18 24 43 28 55	26 24 13 11 20 42	35 13 21 15 18 43	31 7 26 36 27 90	286 118 160 213 236 455	324 162 130 262 111 397
Full. Leaky boxes Unlawful Roofs, leaky Sewer connections. Sewers, obstructed Sheds, filthy Stables.	6 11 8 20 18 143 96 8	6 3 15 2 6 94 123 6	7 2 18 4 23 129 89 9	3 1 7 12 13 128 68 11	35 12 5 7 13 106 90 9	1 25 15 101 68 4	16 1 166 15 2	8 3 46 4 93 23 5	21 13 8 29 20 172 158 10	16 11 8 38 6 148 94 5	21 21 8 18 1 159 152 2	14 11 11 24 1 176 114 12	145 87 92 241 121 1,615 1,090 83	72 41 233 92 426 1,139 1,378 177
Yards, filthy	184 83 134 66	238 75 95 51	232 96 129 44	190 76 4 34	238 121 31	146 134 22	60 503	96 320 31	528 313	294 144 34	355 157 28	286 171 6 41	2,847 2,193 368 427	3,077 1,323 710 59 2

Number and character of inspections by the sanitary inspection service during the fiscal year 1918, with corresponding data for the preceding year.

•	1916–17	1917-18
Inspections not on complaint:		
Baby farms	43	32
Baking establishments	93	122
Darber snops	1,085	1, 226
Cemeteries	39	8
Hospitals	108	86
House-to-house	4,238	4,626
Lodgings and tenements	223	152
	1,460	1,434
Frinting offices	406	143
Privies	1,177	2,066
Public baths	2	2
Playgrounds	46	25
Public buildings.	94	64
Sewage-disposal systems	174	152
Stables.	1, 243	877
Schools.	565	487
Tailor shops	130	158
Theaters Undertaking out No.	90	131
Undertaking out a blish	6	16
Undertaking establishments	417	303
Unclassified inspections	417	300
Total	11,639	12, 110
	12, 161	12,550
Inspections on complaint.	16, 385	19,878
Official and		20,879
	16, 992	20,019
Notices served outside of assigned inspection districts	2, 466	3, 570
Total	59, 643	68, 987

Systematic inspections made by the sanitary inspection service during the fiscal year ended June 30, 1918.

			19	17					19	18			-18.	-17.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	Total for 1917-18.	Total for 1916-17.
Baby farms Baking establishments Baking establishments Barber shops. Cemeteries Hospitals and asylums House-to-house Lodgingsandtenements Laundries. Privies Public baths. Public buildings. Plublic buildings. Playgrounds. Printing offices. Public schools. Sewage disposals Stables. Tailor shops.	16 18 84 	1 16 199 3 71 2 1 4 1 3 51	10 118 388 1 90 2 2 5 13 102 5 44 30	12 20 68 2 567 242 37 	13 86 3 1 871 6 1 172 13 4 30 14 2	29 172 3 504 59 179 177 1 1 1 30 66 13 24 9	139 23 16 138 1 7 40 3 54 34	2 5 300 1 36 154 9 4 71 57 3 31	7 84 754 9 68 455 1 16 40 21 151 8	2 106 19 216 5 164 237 9 6 92 6 92 6 84 27	5 34 18 501 256 297 2 36 4 4 34 3	2 8 91 1 237 41 499 257 1 2 2 11 11 162 26	32 122 1, 226 8 86 4, 626 1, 434 2, 066 2 64 25 143 487 152 877 158	1, 00 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
Theaters Undertaking establishments Unclassified	12	22	3	11 21	33	17	1 	52 5 25	70	19	19	20	131 16 303	4

Marine products received, inspected, and condemned in the District of Columbia, municipal fish wharf, during the fiscal year ending June 30, 1918.

		T	Condem	nations.
	Arrivals.	Inspec- tions.	By request.	Withou request.
ass barrels	8423	801	1	
lue fish	33	32	8	
utterfishdo	1,128	1,065	1	2
arpsingle.	17,343	16,465	2092	65
atfishbunches	40,754	39,084	314	47
roakersbarrels	5,808	5,4393	014	6
elsbunches.	2961	2, 894	1	·
loundersbarrels	2001	195	-	
Ierringsingle	1 452 584	1,399,046	2,695	4,94
acksdo	8,767	8,110	2,000	2,0
fackerelbarrels	7123	6823	11	,
fulletsbunches	2,003	1.927	12	
erch	53, 684	49,990	383	69
ikedo	1,895	1,846	9	
Rockfish do	49,356	46, 791	78	12
hadsingle	194,314	188, 259	62	1
rout barrels.	10, 0881	9, 4573	6	1
Vhitingdo	914	889	0	· '
ollock hoves	269	2521		
Ialibutdo	1011	971		
Haddockdo	351	33		
Porgiesbarrels	961	951		
spotsdo	3431	331		
Squidsdo	81	61		
Linglishdo	92	81		
rilefishdo	59	58		
Salmonboyes	35	32		
sturgeon	26	26		
Menhadens	205	1921		
Winter shad	307	2925	12	
angsdo	1, 247	1, 224	1	
dakedo	3	1,224		
10glish	40	40		
Drumish	71	71		
odnshboxes	129	112	2	
do.	129	1112	2,	
Sincits,	74	74	2	
Red snappersboxes	6	6		

Marine products received, inspected, and condemned in the District of Columbia, municipal fish wharf, during the fiscal year ending June 30, 1918—Continued.

			Cond m	nations.
	Arrivals.	Inspec- tions.	By request.	Without request.
Sheepshead Sharrels Crevallies do	8 5 8 758 126, 327 63, 017 3, 702 3, 919 15, 179 810 14½ 953 10, 839 193 332	8 5 7 756 119,712 56,440 3,314½ 3,659 12,441½ 767 14 941 10,220 193 303	40 6½ 37 107 8	

Food products condemned in the District of Columbia during the fiscal year ending June 30, 1918.

	Condemned by request.	Condemned without request.	Total.
Beef. pounds.	721	5,580	6,301
Beef kidneysdo	65	4	69
duttondo	3,986	18	4,004
ambdo	378	724	1,102
do		251	251
orkdo	627	5,435	6,062
iverdo	175	898½ 1,297	1,073
ausage do houlder do	15	1,297	1,303 15
lam do do	13	189	189
Chitterlings		132	132
'igs' feetdo	10	1 1	11
ligs' earsdo	1	425	425
number	1,738	279	2,017
urkeysdo	24	23	47
do		34	34
leatsdo		14	14
Rabbitsdo	79	1,399	1,410
pplesbushels.	39	2211	260
Peaches do	60 50	93	153 50
Pried fruit pounds	20	73	93
ranges dozen	20	52	52
Bananas do do		9	9
fuskratsnumber.		8 1	8
rapes	1,200	30	1,230
perries	1,696	3,061	4,757
do	132	19	151
	1,450	2,554	4,004
rater meions	1,032	6,408	7,440
do		75	75 605
rapefruitdo	480	125	600
Prussels sprouts	1 1		2
Beets barrels.	3,212	13,330	16,542
elery bunches ut kernels gallon	0,212	1.1,000	10,012
Radishes ganon bunches	900	2	900
	258	851	1,109
abbage number	7,887	59	7,946
	650	247	897
	300	124	424
	390	45	435
		10	10 367
fushrooms	367		
number		28	1 28
		28 270h	440
otatoes, Irish bushels eas.	1691	106	2101
eas dodo	1041	95	104
eans do urnips do	8	47	55

Food products condemned in the District of Columbia during the fiscal year ending June 30, 1918—Continued.

	Condemned by request.	Condemned without request.	Total.
omatoes bushels	94	35	. 129
Pearsdo	1	41	41
nionsdo	224	7	231
eppersdozen	1,200	9	1,209
rabs barrels.	1		1
rab meat gallons.	438	144	452
Piesnumber	49	7	56
oft crabsdozen	250		250
do		6	6
Pheesepounds		1	1
Eggs dozen.	3,372	93	3,465
Butterpounds.	371	35	72
arddo		38	38
Pishdo	15,396	9,224	24,620
Dobarrels	151	2	17
Dobunches.	100	36	136
obstersnumber		1	11
Furtle meatpounds		175	175
Ovsters gallons.	161	286	447
Dlamsbarrels.	1	1 1	2
Piekles do.	-	2,925	2,925
Pigeonsnumber		30	30
Potatoes, sweet bushels	221	23	244
Asparagus		1 1	1
Parsley. bunches	600	1	600
Parrotsdo	1000	4	4
reserves pounds.		22	25
Coffee do		1,006	1,000
andv do		3,000	2,000
runesdo		19	19
Coconuts number	80	10	80

Pound report for fiscal year 1917.

		Animals impounded. Disposition.														
					Dogs.			Cats				Dogs				
Months.		Mules.	Captured.	Surrendered.	Total.	Captured.	Surrendered.	Total.	Grand total.	Killed.	Redeemed.	Sold.	Returned.	Cats killed.	Total.	
1917. August September Detober November December	4	1 1	i i	135 267 62 99 147 117	215 190 89 85 187 142	350 457 151 184 334 259	4 12 9 	510 330 224 178 117 91	514 342 233 178 117 91	864 799 390 364 451 350	319 363 133 151 271 256	25 58 19 20 25 18	9 25 10 9 13 7	4 2 1 3	514 342 233 178 117 91	871 788 397 359 426 375
1918, January February March April May June				60 123 175 108 90 135	87 98 137 136 182 191	147 221 312 244 272 326	2 2 6 5	62 92 145 239 302 225	62 94 147 245 307 225	209 315 459 489 579 553	121 182 259 212 256 259	5 14 51 27 3 22	7 16 12 13 10 26	1 1 4		196 307 469 501 576 53-
Total	7	2	1	1,518	1,739	3,257	40	2,515	2,555	5,822	2,782	287	157	18	2,555	5, 79

Money collected by the poundmaster during the fiscal year 1918.

Months.	ood.	Fees.	Sales.	Total.
1917.				
July		\$50.00	\$18.00	\$68.00
August		116.00	38.00	154.00
September	\$3.00	48.00	20.00	71.00
October		44.00	18.00	62.00
November		52.00	26.00	78.00
December		36.00	14.00	50.00
1918.				
January		10.00	14.00	24.00
February		28.00	32.00	60.00
March		102.00	24.00	126.00
April		54.00	26,00	80.00
Mav.		6.00	20,00	26.00
fune		48.00	23.50	71.50
Total.	3.00	594.00	273.50	870.50

Statement of work performed in the chemical laboratory during the fiscal year 1917 and 1918.

	То	tal.	orr	crated nis- ided.	terat	adul- ed or anded.
	1917	1918	1917	1918	1917	1918
Air. Ammonia 1. Apple, suspected to contain poison 1. Apple butter, suspected to contain poison 1. Apple pelly. Apple jelly. Asparagus, canned Beans, canned. Beans, Lima, canned. Bee Brand insect powder 1. Bee Brand orach killer 1.	1 1 1 6	1			1 1 4	1
Beef, ground Biscuit, oatmeal, suspected to contain poison Blackberry cordial, suspected to contain poison Blackberry wine Blackberry wine Braad, net weight Bread, net weight. Bread, graham, suspected to contain glass.	1 45 13	1 1 1 1 1 31 11 11	17		29	1 1 31
Butter Canke, suspected to contain glass. Candy, Candy, suspected to contain glass Do. Candy, suspected to contain poison Do.1.	1	17 1 77 9 25 1	32		83 	8 1 77 7 24 1
Capsule, suspected to contain poison 1 Carbon tetrachloride, for comparative purposes. Cheese, suspected to contain glass 1. Cherry pala or. Cherry pensin tonic 1.	1	1 1 52 3		1		51 1
Chicken : Cider . (Cldr . (Clothing ! . Cocoa . Coffee .	5 1 81	3 3	2	2	1 82	1
Corned beef. Corning liquid Cream, acidity determinations. Cream, acidity determinations.	348	1 2 1 210	232	143	116	2 1 67
Crem, sour, suspected to contain poison Creme de menthe ¹ Daminana tonic ¹	1	1 1				

¹ Examined for the police department.

² Examined for the corporation counsel,

Statement of work performed in the chemical laboratory during the fiscal year 1917 and 1918—Continued.

	То	tal.	or	erated mis- ided.	Not terat misbr	ed or
	1917	1918	1917	1918	3017	1918
Deposit from swimming pool.	1					-
. 7. tablets. ence picket, for bloodstains to the common state of		2				
ence picket, for bloodstains 1		1				
ish		1				
ormaidenyde, solution of		1 30				
ruits, dried asoline ² in, suspected to contain poison ¹ inger ale.	1	-50		23	• • • • • •	
in, suspected to contain poison 1.		1				
inger ale		1		1		
inger ale, suspected to contain glass. inger cakes, suspected to contain glass inger snaps, suspected to contain poison		1				
inger cakes, suspected to contain glass		4		1		
inger shaps, suspected to contain poison	1					
inger, tincture of the contain possiliar grower, Mme. Walker's 1 Lamburger steak. Lamburger steak, suspected to contain glass 1 Cominy, cooked, suspected to contain glass 2 Coney.		1	• • • • • •			
Iamburger steak	3	39		4	3	
Iamburger steak, suspected to contain glass 1		1		7	3	
lominy, cooked, suspected to contain glass		î.				
loney	1				1	
lotko 1		1				
ce, suspected to contain poison se cream ce cream, suspected to contain glass		5		1		
e cream		1				
ce cream, suspected to contain glass	1	1				
odine, tincture of	4		3		····i	
ron har, for bloodstains 1		1			1	
ron, quinine, and strychnine, elixir of elly, suspected to contain glass. nile, for bloodstains ¹ .	46		43		3	
elly, suspected to contain glass		3				
ard		1				
ardicresolis		71		5		
ignid enemented to be been l	8	1 4				
iquid, suspected to contain gasoline and acid 1	1	+				
iquid, suspected to contain poison 1	i	1				
iquid, suspected to contain gasoiine and acid i jquid, suspected to contain poison i Do. a jquid, suspected to be whisky i	i					
iquid, suspected to be whisky 1		11				
	45	1	21		21	
feel rye suspected to contain glass		1				
feat, ground		1				
feat, sausage	6	1	····i		5	
apleine. leal, rye, suspected to contain glass. feat, ground feat, sausage fedicine 1. fercurial ointment.			1		9	
fercurial ointment	26		14		12	
411k	8, 315	7, 333	1,011	1,379	7.304	5.9
dercurial ointment filk filk or acidity filk for experimental purposes. filk, llegal shipments filk, preservatives in. filk, suspected to contain polson filk, suspected to contain polson filk, suspected to contain ultramarine blue filk, suspected to be manufactured filk, somensed. filk, seammed, condensed. Vear beer Vear beer		23				,
filk, illegal shipments	11	7				
filk, preservatives in	32	70				
filk, suspected to contain glass	20				20	
filk, suspected to contain poison	1	1	• • • • • • •	1		
lilk, suspected to contain ultramarine blue		1		ii		
alik, suspected to be manufactured	3				3	
filk evaporated	8		1		3 7	
Ailk, manufactured		1				
Ailk, skimmed, condensed.		6		6		
Vear beer		1 24		1		• • • •
Vear beer 1 Dil, cottonseed Dil alive	2	12				
		1			1	
Oil, olive	48				48	
Dleomargarine		1				
Dleomargarine 4		14		4		1
Dleomargarine, nut		1				1
Oleomargerine, nut 2		34		2	.,	
Jysters		81		20		
Pagabas sugmented to anni-		1		30		
Pacifics, suspected to contain poison 1	1					
		12		6		1
Peas, canned.				1	1	1
oil, olive. "D'Leary's raspberry cordial 1. Dleomargarine 4. Dleomargarine, nut 1. Dleomargarine, nut 2. Dysters. Paste 1. Peaches, suspected to contain poison 1. Peanut butter, suspected to contain glass. Peas, canned. Pepto mangan, suspected to contain poison 1.	1				1	
reamt outer, suspected to contain glass. Pepto mangan, suspected to contain poison Pickles, suspected to contain poison Pickles, suspected to contain poison.		1				
repto mangan, suspected to contain poison ¹ . Pickles, suspected to contain poison Pills ¹ .	1 2 2	1	i		1	
reamto ottoer, suspected to contain glass. Pepto mangan, suspected to contain poison ¹ Pickles, suspected to contain poison ² Pills ¹ Pills ² Post toasties	1 2 2 2 1	1	ii			

¹ Examined for the police department. Examined for the purchasing officer.

Examined for the corporation counsel.

Statement of work performed in the chemical laboratory during the fiscal year 1917 and 1918—Continued.

	То	tal.		erated nis- ded.		adul- ed or anded.
	1917	1918	1917	1918	1917	1918
Powder Powder, suspected to contain poison ¹	2	2				
Pyrene Residue in tumbler Rheumatism remedy, Corbin's '		3		3		
Roachsault	1	3				3
Salt, examined for glass	4	1				
Sausage Sausage, green, examined for glass		15 1				15
Sausage, link Sausage, smoked, examined for glass Sausage, suspected to contain poison ¹		3			1	
Scallops	1	2				
Sparkling 1. Stick 1. Sugar	1	21		1		20
Sugar, brown Sugar, damaged by fire. Sugar, examined for glass		3 5 1		4		
Sugar, examined for glass 1	····i	2				
Tablets, examined for morphine ¹ Tablets, triturates ¹ Tea	1	1				
Tomatoes, eanned, examined for glass		1		1		
Vinegar Voodoo medicine ¹ . Washington Crisps, examined for glass.	2	1	1			
Water, Water, bottled Water, sewer,	149	112 41	55	41 14		. 7
Water, swimming pool	1 1					
Wilson's Ü. S. condiment ¹ . Zine ointme nt .	1 23		15		. 8	
Total	9,543	8, 563				

¹ Examined for the police department.

Average Grades of Milk Distributed in the District of Columbia During the $\rm Year\ Ending\ June\ 30,\ 1917,\ Arranged\ According\ to\ Names\ of\ Distributors.$

For a statement of the method of determining these grades see United States Public Health Reports, volume 28, No. 8, February 21, 1913.

A perfect grade (100) is made up as follows:

Pericet grade (100) is made up as follows:	
Dairy farms on which milk was produced; equipment and methods	$16\frac{2}{3}$ $16\frac{2}{3}$ $16\frac{2}{3}$ $16\frac{2}{3}$
logical analyses.	331/3
Total	100

Name of dealer.	Dealer's description of class of milk.	Health office grade.
lden, H. L.	Pasteurized milk	56.
lden, H. L. Iderney Dairy (see Black, H. L., & Son). Isop, B. F. nadale Dairy (see Castle, J. W.).	Milk	70.
uth Brothers	do	76. 1
waloh Dairy (see Dorr, J. & G.). assford, M. I. assford, M. I. assford, M. I. bassford, M. I.	do	75.0 61.9
lack, H. L., & Son	Pasteurized milk	60.
Do	Special milk. Pasteurized milk	72.3
road Branch Road Dairy (see Bayne, Thomas).		57.0
rown, A. J. urnside Farms Dairy (see Walker Gordon Laboratory). astle, J. W	Milk	85.3
astle, J. W	do	56.6
herrydale Dairy (see Marcey, J.). hestuut Farms Dairy (see Oyster, G. M.). hevy Chase Dairy (see Wise Bros.).		
udmore, P	Pasteurized milk.	61. 7 48. 8
De Argo, P.	Mılk	71.
Porr, J. V. & Geo	do	80.
hevy Chase Dairy (see Wise Bros.). udmore, P. pade, C. G., & Co. be Argo, P. our, J. V. & Geo. ckington Dairy (see Cudmore, P.). stes, J. W. airview Farm Dairy (see Bassford, M. I.). lade Valley Dairy (see Shulteis, Herman). lenmore Dairy (see Shulteis, Herman).	Pasteurized milk	75.
ormley, P. F.	Milk	1 60,
regg, J. W.	Pasteurized milk	76.
aight, A. R. [amilton Dairy (see Selecman, W. R.).	Pure milk	77.
eflin, M. C. eine, Fred W.	Milk	62. 1 73.
lgh Ridge Dairy (see Hill, C. T.). ill, C. T.	do	62.
Iome Dairy (see Judd & Hodges).	do	60
Jorrigan, Albert	Special milk	62.
lutchinson, B. T. H. R. Farm Dairy (see Ruppert, J. H.).	Pure milk	72. 75.
ohnson, David	Milk	78.
ndd & Hodges	Quality milk	86.
acteal Dairy (see Shawn, M. L.).	Milk	82.
airview Farm Dairy (see Bassford, M. I.). leamore Dairy (see Simpson, W. A.). ormley, P. F. reen Meadow Dairy (see Black, H. L., & Son). regg, J. W. aight, A. R. aimiton Dairy (see Selecman, W. R.). effin, M. C. etine, Fred W. ligh Ridge Dairy (see Hill, C. T.). lim Ridge Dairy (see Hill, C. T.). lim Robert, C. V. orner, Dairy (see Hill, C. T.). litchinson, B. T. H. R. Farm Dairy (see Ruppert, J. H.). resey Dairy (see Bowles, J. J.). obnson, David, udd & Hodges, irplinger, W. acteal Dairy (see Shawn, M. L.). eapley, C. E. ewinsville Dairy (see Storm & Sherwood). ong Bridge Dairy (see Horner, C. V.). larerey, Julius, larkham, Edward larkhey, L. E. daybey, L. E. daybey, J. U. dount Rocky Dairy (see Alden, H. L.). salional Dairy (see Gregg, J. W.). yster, G. M. Do. eake, M. E. urity Dairy (see Dargo, P.). teapment, J. H. easmmell, R. E.	do	77.
farcey, Julius	do	62.
farkham, Edward	do	75.
fulligan, S. C.	do	71. 1 76.
furphy, J. U	do	1 67
Tational Dairy (see Gregg, J. W.).		
gle, M. E.	do	80
Ovster, G. M	do	68 88
Do	Certified milk	98
Peake, M. E. Purity Dairy (see De Argo, P.).	Milk	98 1 70
Reilly, J. P	do	74
cammell, R. E.	do	77 91
elecman, W. R. Charon Dairy (see Thompson, C.).	dodoPasteurized milk.	63
yster, G. M. Doceake, M. Eurity Dairy (see De Argo, P.). teilly, J. P. tuppert, J. H. ceanmell, R. Eelecman, W. R. sharon Dairy (see Thompson, C.). shawn, M. L. shulfels, Herman simpson, W. A. t. Clair Dairy (see Heflin, M. C.). Soper, R. Fstorm & Sherwood. Dowass Dairy (see Dade, C. G., & Co.). Tanner, A. T.	Tuberculin-tested milk Pasteurized milkdo	64 84 53
St. Clair Dairy (see Heflin, M. C.).	10.11	
Storm & Sherwood	Milk. Pasteurized milk. Famous special milk.	183 72 76
Swiss Dairy (see Dade, C. G., & Co.). Tanner, A. T Tenley, A. C.	Pasteurized milk	48
Penley, A. C. Thompson, Corbin	Milk. Pasteurized milk.	72
Phompson, Corbin	Pasteurized milk	57 69

¹ Figures represent only a portion of the year. Omissions due to insufficient data in the Health Department to fairly compute a grade, or the firm started in business after the beginning of the year.

REPORT OF THE HEALTH OFFICER.

Name of dealer.	Dealer's description of class of milk.	Health office grade.
Thompson's Dairy (see Thompson Sisters). Thompson Sisters. Do. Union Valley Dairy (see Estes, J. W.). Van View Dairy (see Orrison, J. S.). Walker Gordon Laboratory. Walker Hill Dairy (see Simpson, W. A.). Welker, W. E. Willow Toairy (see Tanner, A. T.). Willow Grove Dairy (see Tenley, A. C.). Wise Bros. Do. Do. Woodbridge Farm (see Thompson, C.).	Certified milk Pure milk	76. 57 71. 78 1 84. 45 99. 96 70. 35 80. 05 84. 65

¹ Figures represent only a portion of the year. Omissions due to insufficient data in the Health Department to fairly compute a grade, or the firm started in business after the beginning of the year.

89202°—18——5

Oulline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days).

	Empl	Employees.	Salaries.	ies.	Traveling expenses.	expenses.	Incidentals.	ntals.	Total	1.
Character of service.	1917	1918	1917	1918	1917	1918	1917	1918	1917	1918
I. General supervision. II. Clerical survice. III. Registration of yital statistics.	21.40	64 00 10 6	\$6,500.00 9,100.00 4,400.00	\$6,500.00 9,820.00 5,900.00	\$437.99 3.38 11.88	\$456.05 2.00 1.67 6.92	\$1,821.30 616.52	\$1, 268. 91 528. 44	\$6, 937. 99 10, 924. 68 5, 017. 27 1, 211. 88	\$6,956.05 11,090.91 6,430.11 1,806.92
	2.1	41.4	14, 700.00	16,300.00 1,200.00 4,500.00			250.43 31.05 22.50	410.27 27.86 100.90	15, 306.93 1, 253.37 4, 574.67	17, 079. 77 1, 248. 32 4, 653. 52
VI. Equipment Statement VI. Food inspection: Supervisory Veterinary Markets	4.91		4, 420.00 6,300.00 7,000.00	4, 200.00 6, 300.00 7, 800.00	283.29 4,055.21 154.44	483.95 3, 101.65 285.90	605.79	546.84	4, 703.20 10, 355.21 7, 760.23 4 598.25	4,683.95 9,401.65 8,632.74 5.002.25
Chemical laboratory	m 61	m 01	3,800.00	2, 400.00	36.92	26.47	484.20	953. 22	2, 236. 92	2, 426. 47
VII. Congagoros service: VII. Congagoros dispervisors Bipervisors Inspectors Includental expenses	H-9-1	6 13 1 13	1,825.50 496.50 5,726.25 7.00	1,356.50 1,392.25 6,545.50 16.00	319.35	177.92	2,980.01	4, 127. 95	2,144.85 496.50 5,853.26 7.00 2,980.01	1,534.42 1,392.25 6,732.10 16.00 4,127.95
Smallpox hospital— Matron Nurse, Janiror, Laborers, Incidental expenses,	-0-0	-8-8	586.50 250.00 104.50 33.00	81. 75 1, 274. 00 182. 25 273. 00			898.27	3,629.05	586.50 250.00 104.50 33.00 898.27	81.75 1,274.00 182.25 273.00 3,629.05
Quarantine station— Matron Nurse. Jaulior Laborers Independentel expenses.	77-77	-01-6	609.00 142.50 131.50 9.00	284.08 1,057.00 134.58 218.25			693.16	3,349.45	608.00 142.50 131.50 9.00 693.16	284.08 1,057.00 134.58 28.25 3,349.45
Leper hospital— Nurse. Matron. Laborers. Laborers. Independentials	HH6188		720.00 300.00 67.50 87.75	797. 67 337. 83 182. 50 108. 00			749.44	1, 233.66	720.00 300.00 67.50 87.75 749.44	797.67 337.83 182.50 108.00 1, 233.66

Frour-diths time of obled clerk:
1918.
170n-shift time of \$1,200 clerk, 1918.
170n-shift time of \$1,200 clerk, 1917; one \$1,000 clerk, 1918.
170n-shift time of \$1,000 clerk, and one-half time of \$1,000 clerk, 1917; one \$1,000 clerk, 1918.
170n-shift time four part-time nurses and 6 part-time medical inspectors, 1918.
170n-shift time of chile clerk of health department.

I. SUPERVISORY SERVICE.

	Annual	average.	Daily a	verage.
	1917	1918	1917	1918
Health officer Assistant health officer Total cost of transportation	\$4,000.00 2,500.00 437.99	\$4,000.00 2,500.00 456.05	\$13.07 8.10 1.43	\$13.07 8.10 1.50

II. GENERAL CLERICAL SERVICE.

****	Annual	average.	Daily a	verage.
Units of work.	1917	1918	1917	1918
Letters received Letters sent. Oral complaints received. Special reports indexed. Employees.	10,664 10,601 4,147 1,414 7	11,823 14,638 4,748 1,618 8	34.8 34.6 13.5 4.6	38.6 47.8 15.5 5.3
Total cost of service Total cost of incidentals (approximate) Total cost of transportation	1,821.30	\$9,820.00 1,268.91 2.00	\$29.74 5.95 .011	\$32.09 4.15 .00
Total cost, inclusive of undistributed cost of supervision	10,924.68	11,090.91	35.70	36.6

III. REGISTRATION OF VITAL STATISTICS.

Annual a	average.	Daily a	verage.
1917	1918	1917	. 1918
			00.0
6,613	7,089	21.6	23. 2
618	693	2.0	2.3
7, 231	7,519	24.0	24.6
432	448	1.4	1.5
8,028	7,559	25.9	24.7
11,326	² 1, 599	4.3	5, 2
\$560.50	\$704.00		
4	5		
\$4,400.00	\$5,900.00	\$14.38	\$19.28
\$4,400.00 616.52	528.44		1.72
.75	1. 67	2.01	
		10.00	01.00
5,017.27	6, 430. 11	16.39	21.00
		7. 27 6, 430. 11 ed with fee, 1917	1 7

IV. MESSENGER SERVICE.

Annual	average.	Daily a	verage.
1917	1918	1917	1918
\$600.00 600.00 11.88	\$1,200.00 600.00 6.92	\$1.96 1.96 .039	\$3.92 1.96 .02
	1917 \$600.00 600.00	\$600.00 \$1,200.00 600.00 600.00	1917 1918 1917 \$600.00 \$1,200.00 \$1.96 600.00 600.00 1.96

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days)—Continued.

V. GENERAL SANITARY INSPECTION SERVICE.

А.	SUPERVISIO	N.				
	Fisca	l year.	Daily	average.		average pector.
	1917	1918	1917	1918	1917	1918
Chief inspector	1	1 1				
Clerk	\$3,700.00	\$4,400.00	\$12.09	\$14.4		
B. Sanitar	Y INSPECTIO	N SERVICE.				<u></u>
Complaints acted upon.	8,852	9,306	28.9	30, 4	2.9	2.8
Inspection on complaints	12, 161	9,306 12,550	39.7	41.03	4.0	3.7
Reinspections	12, 161 16, 385	19,878	52.5	64.9	5.3	5.9
Officials calls made	16,992	20,879	55.5	68. 23	5.6	6.2
districts	2,466 4,238	3,570	8.0	11.6	-8	1.1
House-to-house inspection	4,238	4,626	13.8	15. 11	1.4	1.4
Inspection of barber shops Inspection of stables	1,085 1,243	1,226 877	3.5 4.0	4. 006 28. 4	.4	2.6
Inspection of privies	1,177	2,066	3.8	6, 75	.4	.6
Inspection of privies Inspection of laundries	1,460	1,434	4.7	4.68	.5	.4
Other miscellaneous inspections	2,436	1,881	7.9	6. 14	.8.	.5
Total inspectors	10	11				
Total salaries	\$11,000.00	\$11,900.00	\$35.94	\$38.8	\$3, 59	\$3.5
Cost of incidentals (approximate)	250.43	410. 27	.81	1.34	.08	.12
Cost of transportation	356.50	369. 50	1. 16	1. 20	.12	. 10
Total cost of sanitary service, exclusive of undistributed cost of supervision	11,606.93	12, 679. 77	37. 92	41. 34	3.79	3.72
C. Smoke-I	NSPECTION S	SERVICE.				
Places under observation. Observations. Inspectors.	384 8,530 1	673 7, 221	24.5 27.87	2.19 23.4	10.7 27.87	2. 19 23. 4
Totalsalaries	\$1,200.00	\$1,200.00	\$3.94	\$3.92	\$3.94	\$3.92
Cost of incidentals (approximate)	31.05	27.86	. 10	. 09	. 10	. 09
cost of transportation	22.32	20.46	. 07	. 07	. 07	. 07
Total cost of smoke service, exclusive of undistributed cost of supervision	1,253.37	1,248.32	4.11	4.08	4.11	4.08
D. Eight-Hour Fe	MALE LABOR	R LAW INSP	ECTION.			
Complaints acted upon	100	147	0.3	0.48	0.01	0.16
Complaints acted upon Inspections on complaint Inspections made on the initial	109 112	104	.4	. 33	.01	. 11
		40 == 1	00.1		10.1	1.0
Spector Official calls made	11, 140	10,704	36.4	5.6	12.1	1.8
Official calls made Total inspectors Total clerks	276	592	.9	1.9	.0	.0
Total clerks	î	1				
				***		04.65
Total salaries.	\$4,500.00	\$4,500.00	\$14.71	\$14.70	\$4.90	\$4.90
Cost of incidentals (approximate)	22.50	100.90 52.62	. 07	.32	.02	. 10
portation	52. 17	32.02	.17	.17	.00	. 00
Total cost of eight-hour female labor law service, exclusive of undistributed cost of supervision	4, 574. 67	4,653.52	14.94	15. 19	4.98	5. 05

VI. FOOD-INSPECTION SERVICE.

A. SUPERVISION.

	Fiscal	year.	Daily a	verage.	Daily a per ins	verage pector.
	1917	1918	1917	1918	1917	1918
Chief inspector	\$3,200.00	\$4,420.00 283.29	\$10.46	\$14.42 .92	\$5.23	\$7.26 .16
B. Vet	ERINARY SE	RVICE.				
Delegation forms	1 120	1 121				

Dairy farms.	1,139	1,131				
Inspections	4, 423	4,035	14.45	13.18	2.41	2.19
Slaughterhouses	15	15				
Inspections	287	234	.94	.76	. 15	. 12
Inspections						
Cases reported	129	260	. 42	.84	.07	.14
Inspections of horse market	104	495	.34	1.3	. 05	. 21
Inspectors	6	6				
Totalsalaries	\$6,300.00	\$6,300.00	\$20.59	\$20.58	\$3.43	\$3.43
Cost of traveling expenses (approximate)	4,055.21	3, 101.65	13.25	10.13	6.62	5.6
Total cost, exclusive of undistributed cost of supervision	10,355.21	9, 401. 65	33.8	30.72	16.9	5.3

C. MARKETS, STORES, LUNCH ROOMS, ETC.

Registered at close of year. Under inspection during year. Inspections. Inspectors	3,828 42,356	3,671 3,574 49,698 8	11.74 12.51 138.42	11.99 11.67 166.54	1.68 1.79 19.77	1.49 1.46 20.81
Total Salaries Cost of incidentals. Cost of transportation.	\$7,000.00 605.79 154.44	\$7,800.00 546.84 285.90	\$22.88 1.97 .50	\$25.5 1.78 .93	\$3.27 .28	\$3.17 .22
Total cost, exclusive of undistributed cost of supervision	7,760 23	8,632.74	25.35	28.21	3.62	3.51

D. CHEMICAL LABORATORY.

Samples analyzed Samples of food Samples of water Samples of miscellaneous. Employees.	9,543 9,064 149 330 3	8, 563 8, 165 153 245 3	31.19 29.62 .49 1.08	27.90 26.70 .50 .80	10.39 9.87 .16 .36	9.3 8.9 .16 .26
Salaries. Cost of food samples. Cost of incidentals. Cost of transportation	\$3,800.00 314.05 484.20	\$3,800.00 246.57 953.22 2.46	\$12.41 1.02 1.58	\$12.41 .80 3.11 .008	\$4.13 .34 .52	\$4. 13 . 26 1. 03
Total cost, exclusive of undistributed cost of supervision	4, 598. 25					

E. DAIRIES, AND COLLECTION OF SAMPLES

Inspection	8,729	576 7,684 2	\$2.38 28.53	\$1.88 25.11	\$2.38 28.53	\$1.88 25.11
Salaries Cost of transportation	\$2 200 00	\$2,400.00 26.47		\$7.84		

VII. CONTAGIOUS-DISEASE SERVICE.

Cases reported.	Fiscal year. Average per day. 1917 1918 1917 1918		Average per day.		Daily average per inspector.	
-			1917	1918		
Anterior poliomyelitis Epidemic cerebrospinal meningitis Chicken pox Diphtheria Measles Pellagra Searlet fever Smallpox Tuberculosis. Typhoid fever Whooping cough	87 20 969 613 3,533 14 490 6 984 292 2,125	6 122 1, 198 1, 112 7, 618 21 1, 102 38 1, 118 328 1, 144	0. 10 .05 2. 7 1. 7 9. 7 .4 1. 3 .02 2. 7 .8 5. 8	0.02 .33 3.2 3.04 20.8 .06 3.3 .10 3.3 .9	0.02 .01 .59 .4 2.0 .008 .29 .003 .57 .2	0.004 .07 .64 .6 4.2 .01 .7 .02 .7

A. GENERAL SUPERVISION, PLACARDING, RECORDING, ETC.

	1917		1918	
	Days.	Amount.	Days.	Amount.
Cost (exclusive of cost of service rendered by sanitary inspectors): Clief inspector Clerk Inspectors Watchman	363 175 1,364 3½	\$1,825.50 496.50 5,726.25 7.00	240 376 1,581½ 8	\$1, 356, 50 1, 392, 25 6, 545, 50 16, 00
Total Incidentals, printing, supplies, etc. (approximate) Cost of transportation	1,905½	8,055.25 2,980.01 446.36	2,205½	9, 310. 25 4, 127. 95 364. 82
Total		11,481.52		4, 492. 77

B. SMALLPOX HOSPITAL.

Patients cared for	6		36	
Hospital open, days.	58		145	
Hospital open, days. Service rendered, patient days.	73		445	
Cost:				
1 matron	330	\$586.50	54½ 477	\$81.75
2 nurses 1 janitor	100 160	250, 00 104, 50	1581	1, 274. 00 182. 25
2 laborers	22	33.00	173	273. 00
Total	612	974, 00 898, 27	863	1, 811. 00
Total		1,872.27		3, 629. 05

C. QUARANTINE STATION.

Inmates cared for Days quarantine station open Service rendered, inmate days	6 31 40		82 180 723	
Cost: = : 1 matron.	341 57 173 6	\$608.00 142.50 131.50 9.00	187½ 397 208½ 145½	\$284, 08 1, 057, 00 134, 58 218, 25
TotalIncidentals, supplies, fuel, etc. (approximate)	577	891. 00 693. 16	9381	1, 693. 91 3, 349. 45
Total		1,584.16		5, 043. 36

VII. CONTAGIOUS-DISEASE SERVICE.

D. LEPER HOSPITAL.

	1917		1918	
•	Days.	Amount.	Days.	Amount.
iurse	365 365 45 43§	\$720.00 300.00 67.50 87.75	365 365 55 54	\$796. 67 337, 83 82, 50 108, 00
s, supplies, fuel, etc. (approximate)	818§	1,175.25 749.44	839	1,325.00 1,233.66
		1,924.69		1,558.66

E. AMBULANCE SERVICE.

Minor contagious diseases: Patients transported Days ambulance in active service	238	464	267	530
Cost: 2 ambulance drivers	384 356	\$768.00 266,50	419 312½	\$984.75 287.63
Total	740	1,034.50	7311	1,272.38
Incidentals, including food for experimental animals, forage, shoeing, etc. (approximate)	742	742, 20		1,740.10
Total		1,776.70		3,012.48

VIII. DISINFECTING SERVICE.

Premises disinfectednumber Articles disinfected at disinfecting stationdo		1,794 1,496		2,388 326
Cost: Inspectors I disinfector 1 stableman 1 watchman	735 713 356 3½	\$2,037.00 1,466.00 273.50 7.00	640 670½ 312½	\$2,052.25 1,437.13 287.63
Total. Incidentals, disinfectants, forage, shoeing, etc. (approximate)	1,807½	3,783.50 1,638.51	1,623	3,777.01 3,631.83
Total		5,415.01		7,408.84

IX. LABORATORIES.

A. BACTERIOLOGICAL.

Specimens examinednumber Days service rendered by employeesdo		14,885 1,531½		$20,009 \\ 1,329\frac{1}{2}$
Cost: 3 bacteriologists 1 assistant bacteriologist. 1 inspector 1 skilfed laborer Laborer	397½ 365 365 365 39	\$2,539.50 1,200.00 1,000.00 720.00 78.00	406½ 365 365 283	\$2,596.50 1,200.00 720.00 566.00
Total. Incidentals, repairs to apparatus, etc. (approximate) Transportation. Cost of samples.		5, 537. 50 485. 28 82. 58	1,3291	5, 082. 50 935. 40 31. 00 105. 59
Total		6, 105. 36		1,071.99

Note.—The services of the bacteriologist, which are paid for from the appropriation for the contagiousdisease service are entered as an item of cost under "bacteriological laboratory."

882.59

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1918, with corresponding figures for the preceding year (based on 306 working days).—Continued.

IX. LABORATORIES-Continued.

B. SEROLOGICAL.

	1917		19	918
	Days.	Amount.	Days.	Amount.
Diphtheria antitoxin prepared, units. Typhoid vaccine treatments. Specimens examined. Days service rendered by employees. Cost:				306
i serologist				2,500.00 1,187.85
Total				3,687.85
X. PUBLIC CRES	MATORIUM	1 .		
Bodies burned—1918, 93 adults, 157 infants, 259 still- born; 1917, 112 adults, 181 infants, 257 stillborn Days crematory was in operation	550 110		509	
Cost: 1 supervisory inspector	363 320	\$181.50 1,054.75	236½ 316½	\$118. 25 1, 107. 75
Total. Incidentals, kerosene, etc. (approximate)	683	1, 236. 25 394. 64	553	1,226.00 581.59
TotalFees collected for cremation at private expense		1,630.89 975.89		1,807.59 925.00

XI, POUND SERVICE

	Fiscal year.		Daily average.	
	1917	1918	1917	1918
All animals impounded Animals collected Fees collected	5, 168	5,822 4,254 \$870.50	22. 92 16. 89 \$3. 10	15. 7 13. 9 \$2. 51
Employees. Total cost of service Cost of incidentals (approximate).	2 \$4,300.00 1,079.39	\$4,900.00 1,891.51	\$17.58 3.53	\$16.01

¹Includes 1 watchman.

Net cost of operation.....

655. 89

³ One-fifth time of chief clerk.

HOSPITALS AND CEMETERIES.

List of private hospitals and asylums in the District of Columbia licensed to June 30, 1918, showing location and date licensed.

HOSPITALS FOR HUMAN BEINGS.

Name.	Location.	Date licensed.
Jane B. Silvester Sanatorium Garfield Memorial Hospital Georgetown University Hospital Sibley Memorial Hospital Episcopal Eye, Ear, and Throat Hospital. Children's Hospital National Homeopathic Hospital. Washington Eye, Ear, and Throat Hospital.	Tenth Street and Florida Avenue NW Thirty-fifth and N Streets NW North Capitol and Pierce Streets NW 1147 Fifteenth Street	Feb. 18, 191 Mar 1, 191 Mar. 7, 191 Oct. 4, 191 Sept. 8, 191 July 6, 191
Margaret J. Thompson and Alice M. Prentiss.	1414 Girard Street NE	Nov. 21, 191 July 8, 191

HOSPITALS FOR ANIMALS.

Cecil French J. P. Turner D. E. Buckingham Reid R. Ashworth Bosley & Weeks Theo. Schondau John P. Keifer W. P. Collins	36 New York Avenue NW	Feb. 8, 1910 Feb. 18, 1910 Mar. 25, 1910 July 7, 1916 June 23, 1910 Oct. 25, 1911 June 14, 1913 Mar. 7, 1914
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ASYLUMS FOR HUMAN BEINGS.

Florence Crittenton Home		Mar. 25, 1910
Home for Incurables	S Street between Thirty-first and Thirty-	July 19, 1913
220110 101 2111111111111111111111111111	second NW.	
Children's Country Home	Grant Road NW	Do.
St. Vincent's Orphan Asylum	Edgewood, D. C.	Do.
Masonic and Eastern Star Home	Takoma, D. C.	Feb. 24, 1911
St. Ann's Infant Asylum	2300 K Street NW.	Do.
St. Joseph's Male Orphan Asylum	924 H Street NW	Mar. 6, 191
Epiphany Church Home	1221 Massachusetts Avenue NW	Mar. 23, 191
Edes Home	2929 N Street NW	Mar. 25, 1911
Woman's Christian Association	1719 Thirteenth Street NW	Mar. 29, 191
	601 M Street NW	
Presbyterian Home	1420 M Street NW.	May 13, 191
•		,

List of cemeteries.

	List of cemeteries.	
Addison Chapel. Adas Israel. Alove Sholom. Baptist. Baptist. Blue Plains. Congressional. Elesavetgrad Cemetery Association. Georgetown Convent. Glenwood. Government Hospital for the Insane.	Green Vale. Harmony. Hillsdale. Holy Road. Josephila. Macedonia. Methodist, Tennallytown Moore's. Mount Olivet. Mount St. Sepulchre. Francisean Cemetery. Mount Zion.	National Capital Hebrew Association. Oak Hill. Payne's Field. Potters' Field. F

¹ No interments during the year.

Crematories.

J. William Lee's.

District of Columbia public crematory.

² For indigents.

APPENDIX G.

LIST OF PHYSICIANS ENTITLED TO PRACTICE MEDICINE IN THE DISTRICT OF COLUMBIA SEPTEMBER 1, 1918.

Bogan, Samuel W.

Abbe, Truman.
Abbot, Griffith E.
Abernethy, Eric A.
Acker, George N. Acker, George N. Adams, George W., jr. Adams, Jesse Lee Adams, Roy D. Adams, Samuel S. Ainemath D. C. Adams, Samuel S. Adams, Samuel S.
Alasworth, F. C.
Alderman, Zenas W.
Alderman, Zenas W.
Alexander, Rose.
Alleger, Walter W.
Alleman, Albert.
Allen, Chas, Alexander.
Allen, Charles U.
Allen, Charles W.
Allen, Elijah H.
Allen, Elora B.
Allen, H. Jerome.
Allen, James H.
Allen, John.
Ammerman, Charles C. Allen, John.
Ammerman, Charles C.
Anderson, C. T. G.
Anderson, Joseph W.
Anderson, Joseph W.
Arderson, U. Grant.
Arbeely, A. J.
Armstead, Ahram D.
Armstrong, Wm. J.
Arnold, Guy F.
Arnold, John S.
Arntzen, Julius Leo. Arnold, John S. Arntzen, Julius Leo. Arthur, Wm. H., U.S. A. Arthurs, S. J. Arthurs, S. J.
Arwine, James T.
Ashburn, P. M., U. S. A.
Ashford, Bailey K.
Ashford, Francis A.
Ashford, Mahlon.
Atkins, Paul N.
Atkinson, Francis V.
Atkinson, Wade H.
Atkenson, Wade H.
Atwell John R. Atk inson, John F.
Atk inson, Wade H.
Atwish, Wade H.
Atwell, John R.
Atvery, Frederick S.
Ayres, Wm. W.
Babbitt, George E.
Balbitt, George E.
Balbitt, Zeno B.
Bacas, Henry,
Bacon, A. Maynard.
Baccon, Robert B.
Baggett, John B.
Baggett, John B.
Baggett, John B.
Bailey, Grafton D. P.
Bailey, Emerson S.
Bailey, Grafton D. P.
Bailey, Henry L.
Bailey, Henry L.
Bailey, Henry L.
Bailey, Henry L.
Baldey, Henry L.
Baker, Frank.
Baker, Frank.
Baker, Frank.
Baker, Frank.
Baker, Frank.
Baker, May D.
Baker, May D.
Baker, Mosim,
Baker, Robert W.
Baldum, Mosby.
Baldwin, Mosby.
Baldwin, Mosby.
Baldwin, Edward A.
Bariber, James M.
Barber, Robt. T. J.
Barbour, Frank A.
Barger, A. S.
Barger, G. J. P.

Barker, Howard W.
Barnes, Noble P.
Barnes, Wm. M.
Barnesby, Wm. M.
Barnesby, Walter R.
Barnett, P. M.
Barnestri, Grant S.
Barrett, P. M.
Barrett, P. M.
Barrett, P. M.
Barrett, P. M.
Barrett, Grant S.
Bartel, Edwind G.
Barton, Wilfred M.
Bartsch-Dunne, Anna.
Bastian, J. W.
Battle, Lewis J.
Battle, Lewis J.
Battles, Samuel L.
Bayly, Rozier C.
Bayne, J. Breckenridge.
Beale, Robert S.
Beall, Chas. M.
Beaman, Carroll J.
Beattie, Wray.
Beatty, Louis Kelley.
Beatty, Walter K.
Beckett, George M.
Becket, George M.
Becket, George M.
Becket, George M.
Bechend, Sidney.
Bell, Chas.
Belhrend, Sidney.
Bell, Chas.
Bell, Chas.
Bell, Wm. H., U. S. N. Bebrend, Sidney.
Bell, Chas.
Bell, Chas.
Bell, Wm. H., U. S. N.
Beltran, Basil R., U. S. A.
Bennett, A. B., Ip.
Bennett, Harrison M.
Bennett, Maitland C.
Bennett, William W.
Bernton, Harry S.
Beresford, Galsworthy G.
Bermann, Isador.
Bermann, Isador.
Bernstein, Hymon.
Bevard, William A.
Biggs, Joseph R.
Billiard, Chas. Lewis.
Billiard, Jules F.
Bingman, Carroll E. Bingman, Carroll E. Birdsall, Charles W. Birdsall, Gregg Custis. Birmingham, H. I Birdsall, Gregg Custis Birmingham, H. P., U. S. A. Birney, Edith S. Birney, Edith S. Birney, Edith S. Biscoe, Frank L. Bischop, H. A. E. Bischop, H. A. E. Bischop, H. A. E. Blackburn, Richard S. Blair, R. C. U. S. A. Blair, Joseph D. Blair, H. C. U. S. A. Blair, Joseph D. Blake, Louisa M. Blakistone, Julian C. Blake, Louisa M. Bloedorn, W. A., U. S. N. Bloom, R. Bloedorn, W. A., U. S. N. Bloom, R. Blue, James T. Bogan, Fred. Macon. Bogan, Isabel K. Bogan, Joseph B. Bogan, Mary Elizabeth.

Bogan, Samuel W.
Boggess, John S.
Bogle, John C.
Bogle, Kate B.
Boomhower-Guibord, Alberta S.
Borden, Dan L.
Borden, Wm. C. U. S. A.
Borden, Wm. C.
Boss, Rufus C.
Boss, Rufus C.
Boss, Thomas C.
Boswell, Archie W.
Boteler, William C.
Bovee, J. Wesley,
Bowen, William S.
Bowers, John F.
Bowker, Chas. H.
Boyd, Carl B.
Boyd, Carl B.
Boyd, Carl B.
Boyle, Cornelius B.
Boyle, Edward M.
Brackett, John E. berta S. Boyle, Edward M.
Brackett, John E.
Braden, Francis W.
Bradfield, Jefferson D.
Bradley, Geo. P., U. S. N.
Bradley, Jeter C.
Brady, John C.
Brady, Zadoc M.
Brady, Zadoc M. Brady, John C.
Brady, Zadoc M.
Brady, Zadoc M.
Brady, Zadoc M.
Braen, George D.
Braisted, Wm.C., U.S.N.
Brandenburg, W. H. R.
Brandt, Wm. E.
Branson, Joseph H.
Brecht, Nelson Du Val.
Brechet, Nelson Du Val.
Brecht, Nelson Du Val.
Brecht, Nelson Du Val.
Brenzer, Gilmer.
Brent, Clarence E.
Brenizer, Gilmer.
Brent, Clarence E.
Brewer, Isaac W.
Brewer, Gilbert R.
Briek, Geo. J.
Brick, Geo. J.
Bricken, Sacks.
Bndger, James D.
Briggs, John D.
Briggs, John D.
Brosson, Charles E.
Brooke, Roger, U. S. A.
Brooks, Garroll A.
Brooks, John Doshir,
Brooks, J. Lester,
Brooks, Phil. B.
Brosius, Mary Alice.
Brown, Charles W.
Brown, Charles W.
Brown, Harry Lee.
Brown, Hugh A.
Brown, Mary L.
Brown, Robert W.
Brown, Sara Winiffed.
Brown, Sara Winiffed.
Brown, Rhodric W.
Brown, Sara Winiffed.
Brown, Robert W.
Browne, Rhodric W.
Browne, Rhodric W.
Brownie, Andrew J.
Brummauch, Galus M.
Brummett, Randolph B.
Bryan, Joseph H.
Bryson, Joseph H.
Bryson, Herer L. Brummett, Randolph B Bryan, Joseph H. Bryson, Herbert J. Buchanan, Chas. M. Buchanan, Wm. R. Buck, John R. Bunnemeyer, Bernard. Burbank, Caryl. Burch, Edward W. Burch, W. Thompson. Burke, Francis E. Burke, Fredk. B.

Burke, John W.
Burns, Wm. P.
Burntt, Alice.
Burritt, Martha Clark.
Burton, Aldrich A.
Burwell, Hartford R. Burweil, Hartford R.
Bush, Daniel P.
Butler, Arthur R.
Butler, Ars. S., U. S. N.
Butler, E. Flagg.
Butler, William K.
Butterfield, Elmore E
Butz, Abraham D.
Byner, Chas. B., U. S. A.
Byrne, Patrick J.
Byrne, Walter C.
Byrnes, William F.
Cabaniss, George W.
Cabell, J. M., U. S. A.
Cabill, J. M., U. S. A.
Cabill, J. M., U. S. A.
Caldwell, Charles T.
Caldwell, Charles T.
Caldwell, Harry C.
Calhoun, George A.
Calver, Geo. M.
Camero, Malcolm,
Cameron, Cameron,
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Ca Bush, Daniel P Cardora, Francis J.
Carman, Louis D.
Carmichael, Randolph B.
Carmichael, C. P.
Carpenter, D. N., U. S. N.
Carr, W. Browne.
Carr, William P.
Carrico, A. J.
Carroll, James.
Carter, William C.
Castell, L. B.
Castell, Enrico.
Cathers, Christopher C.
Catzva, Morris.
Caylor, Claude C.
Chadwick, De Witt C.
Chaims, Geo. S.
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Chancellor, P. S.
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Chappell, Sidney L.
Childis, Creed W.
Chipman, C. N.
Chisolm, Francis M.
Choate, Rufus.
Christie, Arthur C.,
U. S. A. Arthur Christie, U. S. A. Christmas, Wm. W. Christmas, Wm. W.
Church, James R.
Clark, Chas. Herman.
Clark, George C.
Clark, James J.
Clark, John Alex.
Clark, Taliaferro.
Clarke, Wm. Earl, Jr.
Clarke, Winfield S.
Clayton, James G.

Claytor, Thomas A.
Clemens, James E.
Clement, A. B. C.
Clement, Lymay J.
Clemons, Carl Afison.
Clifford, John S.
Coate, Edith SeVille.
Coblentz, Horace B.
Coburn, Henry C., jr.
Coe, Anton.
Cosswell, Frank B.
Cohen, Ralph.
Cole, George R.
Cole, John T.
Coleman, Horace.
Coleman, Horace.
Coleman, Horace.
Collins, Albort R.
Collins, Charles R.
Collins, Charles R.
Collins, Charles R.
Collins, Lewes C.

P. H. S.
Collins, James C.
Collins, James H.
Collins, John F.
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Collins, Sohn F.
Collins, Sohn F.
Collins, Saml. J. B.
Comy H. Collins, Saml. J. B.
Comy H. Coursen B.
Conklin, Coursen B.
Conklin, Coursen B.
Conklin, Rush W.
Conner, William H.
Conrad, Thos. K.
Costas, John.
Conyngton, Wm.
Cook, Elmore A. A.
Cook, Frank Robert.
Cook, Grerge W.
Cook, Giles B.
Cook, Giles B.
Cook, Giles B.
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Cook, Saml. Le Count.
Cooke, Richard L.
Cooke, Robert R.
Cooke, Thomas C.
Coolidge, Augustus B.
Cooper, Oscar J.
Copeland, Edgar B.
Corley, Karl C.
Cornish, Mabel.
Cornish, Mabel.
Coumbe, Oscar H.
Cousins, Sidney C.
Cow, S. C. Cifford.
Craig, Henry K.
Craig, Henry K.
Craig, John M.
Cram, A. M.

Craig, Albert E.
Craig, Henry K.
Craig, John M.
Crandell, Henry K.
Cram, A. M.
Crandell, Henry N.
Crawford, C. Alexander.
Crawford, C. Alexander.
Crawford, C. Alexander.
Critchton, Macpherson.
Crittenden, Thomas B.
Crocicchia, Antonio.
Crook, Harrison.
Crook, Harrison.
Croby, W. D., U. S. A.
Crosson, Henry J.
Crowel, John W.
Crowley, Jerome F.
Crunch, B. Alice.
Cummiskey, Edw. F.
Curriden, George A.
Curtis, Arthurk.
Custis, J. B. Gregg, Jr.
Custis, Maryin A.
Cuthbert, Middleton F.
Czarra. Sigmund A.
Dabney, Virginius.
Danforth, Roderick F.
Daley, James N.
Daniel, Robert A.
Daniels, Uriah J.
Darby, John J.
Darby, Jaylor E.
Darnall, Moses H.
Darrah, Austin A.

Davidson. Edward Y.
Davis, Carl L.
Davis, Carl E.
Davis, Carrie C.
Davis, Charles A.
Davis, Daniel G.
Davis, Dowdol H.
Davis, Frank F.
Davis, George P.
Davis, Wm. T.
Dawson, Charles F.
Davis, Wm. T.
Dawson, Charles F.
Davis, Wm. T.
Dearborn, Reuben B.
De Carré, Alfred.
Deckard, P. E.
Decker, R. R., U. S. A.
Deeble, Horace M.
Delaney, Martin D.
De Laney, M. A., U. S. A.
Demarest, Cornelius L.
Denison, Raymond C.
Dennis, J. B., U. S. N.
Desaussure, R. L.
Devereux, J. Ryan.
De Vries, J. Carlisle.
De Weese, Cornelius, Dewey, Christian H.
Dickerson, Dwight, U.
Dickinson, Dwight, U. Davidson. Edward Y. Dickerson, Dorrell G. Dickinson, Dwight, U. S. N. S. N.
Dickinson, Dwight, jr.
Dickinson, S. H., U. S. N.
Didler, Frederick W.
Digges, John H.
Dixon, Henry M.
Dixon, Taylor B.
Dixon, Wm. S., U.S. N.
Dobson, Hervie A.
Dobson, William H.
Dolan, Patrick V.
Dolbrac Clarence M. Dolan, Patrick V.
Dollman, Clarence M.
Dollard, Henry L., U.S.N,
Donn, Fred'k Y,
Donnally, Harry H.
Dorsey, John S.
Douglas, Alanson S.
Douglas, James S.
Dowling, Geo. B., U.S.N.
Dowling, James C.
Dowling, Thomas, ir.
Downes, Julia V.
Downes, Alice W. Downes, Julia V.
Downey, Alice W.
Drane, Frank C.
Drenford, George.
Drennan, Lawrence M.
Drew, Henry C.
Dubose, George P.
Duehring, Frank P. Duehring, Frank E. Duenner, Robert H., U. Duemer, Robert H., U.
Duffley, Hugh C.
Duffley, Hugh C.
Duffley, Clarence R.
Dugan, C. L.
Dumas, Mchael O.
Dunbar, A. W., U. S. N.
Dunlop, John.
Dunmber, Roy F.
Dunn, Henry A.
Dunne, Herold E.
Durflee, R. B.
Dyer, John C.
Dyer, J. F.
Dyen, J. F.
Dynan, Nicholas J.
Eager, J. M., M. H. S.
Eastham, Granville.
Eaten, William E., U.
S. N. Echols, Francis S. Ecker, Lewis C. Eckhardt J. C. Eddy, Otis S.

Edie, G. L., U. S. A. Edmunds, Meade Randolph. doiph.
Edwards, Geo.M.,U.S.A.
Egbert, Edw. H.
Eggleston, George W.
Eggleston, James D.
Eisenberg, Arthur A.
Eisenberg J. J.
Eldridge, Watson W.,jr. Eisenberg, Arthur A.
Eisenberg, J. J.
Eisenberg, J. J.
Eldridge, Watson W., jr.
Eldridge, Watson W., jr.
Eldridge, Watson W., jr.
Eldridge, William F.
Elliot, Llewellyn J.
Elliot, Johnson.
Elliot, Charles S.
Elliott, Henry R.
Elliott, Henry R.
Elliott, M. S., U. S. N.
Ellist, Joseph C.
Ellis, Joseph C.
Ellis, Joseph C.
Ellison, Everett M.
Ellyson, Robert M.
Ellyson, Robert M.
Ellyson, Robert M.
Emery, O. V.
Emery, W. G.
Emmons, Charles M.
English, L. H.
English, Merton A.
Eppard, George I.
Erving, Wm. G.
Esch, Victor H.
Evans, Margaret R.
Evans, Albert W.
Evans, Margaret R.
Evans, Wilson B.
Evarts, Arrah B.
Evarts, Arrah B.
Evarts, Hudolph, H.von.
Fadeley, George B.
Fagin, Jemmet A.
Evagn, M. O.
Eadorf, Rudolph, H.von.
Fadeley, George B.
Fagin, Emmet A. Ezdorf, Rudolph, H.von. Fadeley, George B. Fagin, Emmett A. Fairly, James M. Falconer, Bolivar L. Fales, Ella Roy. Fales, Warren D. Farquhar, Charles. Farquhar, Raymond R. Farwell, Wrey G., U.S. M. Faumtleroy, A.M., U.S. A. Featherston haugh, Thomas. Fauncieroy, A., W. S.A.
Fea ther'st on haugh,
Thomas.
Feigley, Harvey P.
Ferguson, Charles E.
Ferguson, Charles E.
Ferguson, Control F.
Ferguson, Tormas M.
Ferris, W. Sherwood.
Fillebrown, John P.
Finch, Erastus M.
Finley, Clara B.
Fishbat, Albert S.
Fischer, Howard.
Fisher, Reymond A.
Fiske, Charles N., U.S.N.
Fister-Raymond A.
Fiske, Charles N., U.S.N.
Fitz-Hugh, William De A.
Fitzsimons, P., U.S. N.
Fletcher, Chas. C.
Fletcher, G. H.
Floria, Salvatore.
Flower, Alfred H.
Flynn, James A.
Folker, Thomas M.
Folkmar, Elnora C.
Foote, Chas. L.
Footer, Geo. W.
Foster, Chas. L.
Foster, Geo. W.
Foster, Geo. W.
Foster, Geo. W.
Foster, Samuel R.
Fowler, Warren W.
Fowler, Harry A.
Fowler, William C.
Fowler, Samuel R.
Fowler, William C.
Fowler, Warren W.
Fowler, Fernest W.
Fowler, Samuel R.
Fowler, William C.
Fox, George L.

Fox, William H. Fox, William H.
Foye, A. Frances.
Fraction, James M.
Francis, Melton A.
Frankland, W. Ashby.
Franklin, E. T. M.
Franzoni, Chas. W. Franklin, E. T. M.
Franzoni, Chas. W.
Freeman, George F.,
U.S. N.
Freeman, Henry W., Jr.
Freeman, P. L., U. S. A.
French, Leigh H.
French, William B.
French, William B.
French, William B.
French, William B.
Frey, J. Pau.
Frischkorn, Chas. R.
Frischkorn, Robt. Walter.
Frost, John W.
Fry, Henry D.
Fry, Samuel.
Fuller, Homer G.
Furcron, Gustavus W.
Glazato, W. Frank.
Gallagher, Matilda J.
Galloway, B. E.
Gannon, James A.
Gapen, Nelson.
Gardner, Joseph N.
Gardner, Michael E.
Garnet, Jakes. G. P.
Garrison, Fielding H.
Garthwaite, Issae S.
Garvin, Chas. H.
Garvin, Chas. H. Garrison, Fielding H.
Garrhwaite, Issae S.
Garvin, Chan J.
Garrin, Chan J.
Gar unusnak, Leopold.
Gochenour, David
Thomas.
Godfrey, Carlos E.
Godfrey, George M.
Goines, William H.
Goldthwaite, Ralph H.,
U. S. A.
Goodall, Henry S.
Goodman, Hector H. Goodall, Henry S.
Goodman, Heetor H.
Goodman, Heetor H.
Goodman, William R.
Gracy, George W.
Graham, James F.
Graham, Neil F.
Granham, Neil F.
Granham, Neil F.
Granties P.
Granties P.
Grant, M. L. T.
Grasty, Thos. S. D.
Gray, Clarence A.
Gray, H. M.
Gray, Clarence A.
Gray, G. T., U. S. N.
Grayson, C. T., U. S. N.
Grayson, S. M.
Green, Eric S.

Green, Julia M.
Green, Julia M.
Green, Wm. H.
Greene, Lawrence M.
Greene, Lawrence M.
Greene, Lawrence M.
Greene, Samuel H., jr.
Greene, Stallard P.
Griffith, Thomas A.
Griffith, Charles I.
Griffith, Monte.
Griffith, Monte.
Griffith, Monte.
Griffith, Willer E.
Grissinger, Jay W., U.S. N.
Griffith, Milmer E.
Grissinger, Jay W., U.S. A.
Groce, Henry R.
Groce, S. Marie.
Groce, Thomas A.
Groce, Henry R.
Groce, W. B., U. S. N.
Grubbs, R. B.
Grud, Louis T.
Grunwell, Julified G.
Guerra, A. L.
Gultbord, Alberta S.

Grove, Thomas A.
Gross, Aleed G. U. S. N.
Grove, Aleed G. U. S. N.
Gross, Aleed G. U. S. N.
Grobs, B. B.
Gruel, Louis T.
Grunwell, Alfred G.
Guerra, A. L.
Gunlon, John Paul.
Gunning, Edw. J.
Guss, Harry T.
Gwynn, Winn, Osear J.
Hadie, Chaster R.
Hadie, Chester R.
Hadie, J. S.
Hadie, J. Mitchell,
Hall, A. Thu, J.
Hall, J. Mitchell,
Hall, J. Harrison, Bernard H.
Harrison, Chas. A.
Harrison, Chas. A.
Harrison, Charles S.
Harrison, Herbert A.
Harrison, James S.
Harrison, John S.
Harrison, Julia C.
Hart, James W. Harrison, Julia C.
Hart, James W.
Hartsock, Fredk M.
Harvey, A. K. P.
Harvey, Heber McK.
Harvey, Levin A.
Hasbrouck, Edwin M.
Haskell, Ray T.
Hasseltine, H. E., U. S.
P. H. S. P. H. S. Hathaway, G. S., U. S.N. Havard, Valery, U. S. A. Havenner, George C. Hawxhurst, Howard H.
Hayden, Reynolds.
Hayes, Frank C.
Hayes, Henry L.
Hayes, J. Robert.
Hays, Melville A. Haysmer, E. Dolphus.
Hazen, Henry H.
Hazen, William P. C.
Healty, Chas. B.
Heffner, Wm. J.
Heffner, George B.
Heiner, Robert G.
Heiser, William H.
Heiler, Irma I.
Heiler, George H.
Heiler, Irma I.
Heiler, Joseph M.
Hellman, Chas. R., U.S.A.
Helton, Addison S.
Hellen, Milton.
Hellman, Chas. R., U.S.A.
Helton, Addison S.
Henneberger, Josiah B.
Henneberger, Josiah

Houston, U. L.
Howard, Arcturus Lee.
Howard, C. Norman.
Howard, D. C., U. S.A.
Howard, Geo. T.

Howard, James H.
Howard, Joseph T. D.
Howard, Stanton W.
Howard, Stanton W.
Howard, Wm. J., jr
Howe, Orwin E.
Howlett, H. H.
Hubbell, Wm. Wheeler,
Huddleston, Janett M.
Hudson, Wm. Burrows,
Hughes, John Ceell.
Hughes, Wm. H.
Hull, June M.
Hull, Theo. Y.
Humble, Oliver L., jr.
Humbe, Howard,
Hummer, Harry R.
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Hunt, Isaac B.
Hunter, Gosar B.
Hunter, Oscar B.
Hunter, Oscar B.
Huntington, Philip W.,
U. S. A.
Huntington W. H. U. S. A. U. S. A.
Huntington, W. H.
Huntt, Joseph R.
Hurst, Benoni Price.
Hurst, Julien H.
Hurtt, Harry.
Hutchinson, Mahlon.
Hyatt, Franck.
Hyde, Chas. W. Hyde, Chas. W.
Hynson, Laurence M.
Ingersoll, Olive P.
Ingersoll, Robert S.
Ingram, Thomas D.
Ireland, M. W., U.S.A.
Irvine, R. S.
Israeli, Baruch,
Jack, William A., jr.
Jackson, Elmer E.
Jackson, Virgil B.
Jaeger, H. W. Jaeger, H. W.
Jaisohn, Philip.
James, Charles H.
Jamison, Albion B.
Jamison, Albion B.
Jamison, John S.
Jarvis, G. L. Brown.
Jeffries, Joseph A., Jr.
Jenkins, Ralph.
Jenner, Norman R.
Jewett, Henry M.
Jobson, Wm. R.
Johnson, Chas. C.
Johnson, Chas. C.
Johnson, Frank G.
Johnson, Geo. A.
Johnson, Geo. A.
Johnson, James R.
Johnson, James R.
Johnson, James A.
Johnson, James A.
Johnson, John H. Virgil.
Johnson, Joseph L.
Johnson, Joseph Taber.
Johnson, Joseph Taber.
Johnson, Jorn B. T.
Johnson, Jorn B. T.
Johnson, Stuart C.
Johnson, Stuart C.
Johnson, H. H., U. S.
Johnson, Stuart C.
Johnson, Wallace.
Johnston, George W.
Johnston, Wallace.
Johnston, George W.
Johnston, Wm. B.
Johnston, Henry V.
Johnston, Wm. B.
Johnston, George W.
Johnston, Wm. B.
Johnston, George W.
Johnston, Wm. B.
Johnston, Henry V.
Johnston, Wm. B.
Johnston, George W.
Johnston, Wm. B.
Johnston, Gobret B.
Jones, Edward Barton.
Jones, Eugene.
Jones, H. W., U. S. A.
Jones, John E.
Jones, Homas E.
Jones, Thomas E.
Jones, Thomas E.
Jones, Thomas E.
Jones, Thomas G.
Jones, Wm. C.

Jones, Willis Wharton. Jordan, Arthur. Jordan, Charles M. Jordan, Llewellyn. Jordan, Charles M.
Jordan, Llewellyn,
Jordan, Llewellyn,
Jordan, Llewellyn,
Jorgenson, Hans C.
Jourdan, Victor J.
Julihn, Magnus L.
Jung, Franz A. R.
Jung, Sofie A. Nordhoff,
Junghans, John H.
Kahn, Robert J.
Kalusowski, Henry E.
Kansee, Withelm J.
Karpeles, Kate B.
Karpeles, Kate B.
Karpeles, Simon R.
Kaufman, Harry M.
Karpeles, Simon R.
Kaufman, Harry M.
Kevenen, Joseph James,
Keanne, J. R.. U. S. A.
Keenen, John F.
Keenen, Walter F.
Keenen, Walter F.
Keenen, Walter L.
U. S. N.
Kelley, John T., Jr.
Kelley, John T., Jr.
Kewly, Danuel J.
Kemble, Adam
Kempf, Helen D. C.
Kempter, J. Edmond.
Kenelp, Edgar P.
Kennard, G. Howard.
Kenealy, Wm. P.
Kennedy, Robert M.
U. S. N.
Kennedy, Robert M.
U. S. N.
Kennedy, Robert M.
Levely, John Mand.
Kenelp, Edgar P.
Kennard, G. Howard.
Kenealy, Wm. P.
Kennedy, Robert M.
U. S. N.
Kerby, Jass. C. U. S. N.
Kenner, Albert W.
Kerby, Jas. C.
Kerr, Harry H.
Key, George B.
Key, Sothoron.
Keyser, Carl S.
Killingsworth, Laura
A. N. P.
Killings Harry C.
King, Biraim G.
King, Milliam R.
King, William R.
Kingsman, Richard.
Kinner, J. Lee.
Kingworth, William A.
King, William A.
Kingen, Herror
Kite, Isaac W. U. S. N.
Kittredge, Herman E.
Klemm, John W.
Kittredge, Herman E.
Klemm, John W.
Kittredge, Herman E.
Klemm, John W.
Kitte, George F.
Knapp, Herbert D.
Knight, Carlisle P.
Knott, Charles O.
Kober, George M.
Koonce, Howard.
Koones, Charles K.
Koones, Charles K.
Koones, Charles K.
Koones, Charles G.
Kober, George M.
Koones, Charles G.
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Koones, Glasses G.
Koones, Charles G.
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Koones, Glasses G.
Koone

Laney, Frank P. Lanza, Anthony J. Larkin, P. Edward. Lascot, Fulalio Garcia. Larkin, P. Edward.
Lascot, Fulalio Garcia.
Latimer, Chas. H.
Latimer, Guy W.
Latimer, Thos. E.
Laveson, Hyman.
Lawrence, Florus F.
Lawson, Huron W.
Leadley, George W.
Leake, Jas. P., U. S.
P. H. S.
Le Conte, R. M.
Lee, Adelbert H.
Lee, Frederick D.
Lee, George H.
Lee, George H.
Lee, Thomas A.
Lee, Thomas A.
Leech, Dollin.
Leech, Frank.
Leech, Frank.
Leech, Frank.
Leech, Frank.
Leed, Geo. A.
Lehr, Louis C.
Le Kites, Lillian Rue.
Le Merle, F. L.
Lemon, Hanson T. A.
Lemmon, Mary F. Le Kries, Liman Rue.

Le Merle, F. L.

Lemon, Hanson T. A.

Lemon, Mary F.

Lemus, Migue Angel.

Lemus, Migue Angel.

Leman, Leman, Leman,

Leman, Leman,

Leman, Leman,

Lewis, Geo. E.

Lewis, Lewis, Lewis, Lewis,

Lewis, W. E.

Liewis, M. C.

Limkins, Jsa, J.

Lind, John E.

Lindsay, John H.

Lind, Willis,

Linville, Thomas.

Lippitt, S. Herman

Liste, A. B.

Little, A. B.

Little, John H.

Little, Lichard M.

Little, Little, John R.

L Lorigan, Katharine.
Loring, Francis B.
Losekam, Geo.
Lothrop, Edwin S.
Lounders, C. H. T., U.S. N.
Lounders, C. H. T., U.S. N.
Lounders, C. H. T., U.S. N.
Lowe, Horace M.
Lowe, Thos. F.
Lozier, Kate E.
Lowe, Thos. F.
Lozier, Kate E.
Lucey, William A.
Luckett, Llewellyn F.
Lucey, William A.
Luckett, Llewellyn F.
Lull, Geo. F., U. S. A.
Lumsden, Geo. P., U. S. A.
Lupton, E. J. S.
Luttrell, Samutel S.
Luttrell, Walter MeM.
Lynch, Harry C.
Lynd, Ernest.
Lyon, Martha M. B.
Lyons, John H.
Lyoter, T. C., U. S. A.

McAdory, Robt. J. McArdle, Thomas E. McCarthy, Jos. J. McClain, R. P. McCondo, G. H.
McCord, Harry Stanton.
McCord, Harry Stanton.
McCormack, Daniel P.
McCormick, John H.
McCray, Arthur H.
McCue, Jos. D.
McCulloch, C. C., jr.,
U. S. A. U. S. A.
McDonald, Paul E.
McDonald, Thomas B.
McDowell, R.W., U. S. N.
McDuffle, Jos. A.
McGee, Anita N.
McGouldrick, Ernest C. MeGouldrick, Ernest C.
MeGrath, Bernard F.
MeGuire, James C.
MeGuire, Thos. J.
Melintyre, Andrew J.
Meintyre, Douglas.
MeKay, James G.
MeKay, James G.
MeKee, William P.
MeKeehan, George H.
MeKeeldin, R. A. W.
MeKenney, A. B.
MeKeon, Frank H.
MeKimmie, Oscar A. M.
MeKinght, Mobt. S.
MeLaughlin, Thos. N.
MeLaughlin, Wm. Frank,
U. S. A. U. S. A.
McLean, Allen D. U.S.N.
McLoughlin, George N. McLoughilm, George N.
McManus, Geo. R.
McMants, Geo. R.
McMatter, A. McF.
McMillan, Samuel M.
McMorris, John H.
McNally, Valentine,
McNeil, Faton K.
McNeil, William C.
McPherson, Dorsey M.
McQuillan, Francis,
McSween, Ede J.
Macatee, Henry C.
Mac Donald, A. Magruder.
Mac Donald, George,
Macdonald, Thomas L.
Machen, Francis S. Mac Donald, A. Magruder.
Mac Donald, George.
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Macdonald, Thomas L.
Machan, Francis S.
Mackall, Louis, jr.
Macdon, Albert S.
Maddon, Albert S.
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Maddon, Miliam H.
Madigan, John Jos.
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Maddon, Benjamin F.
Magee, M. D'Arcy.
Main, Russell B.
Malcolm, Wm.
Mallan, Thomas F.
Mallory, Wm. J.
Malone, W. P.
Manning, Wm. J.
Manning, Wm. Sanders.
Marbury, Charles C.
Marbury, Mm. B.
Marcey, F. H.
Marks, W. G.
Marshall, Collins.
Marshall, Collins.
Marshall, E. R., U. S. N.
Marshall, J. W.
Martin, Thomas.
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Martin, Ulysses G. B. Martyn, Herbert E. Mason, E. L. Mason, Lyle M. Mason, Orville J. Mason, Robert F. Mason, S. M. Mason, Wm. B. Mason, Wm. B.
Massey, Thomas H.
Masterson, William L.
Matthews, Washington.
Mattson, Charles R.
Maulding, James E.
Mauss, Richard J.
Maxwell, Maurice H. May, Henry A.
Mayer, Robert D.
Mayer, Robert D.
Mayzer, Frank A.
Mead, Theodore.
Mebane, Wilham W.
Mellott, Samuel W.
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Mellott, Samuel W.
Merodith, John Cabell.
Merritt, Simon Wickes.
Mess, Wm. A.
Meretith, John Cabell.
Merritt, Simon Wickes.
Mess, Wm. A.
Metzelfe, R. F., U. S. A.
Metzerott, John H.
Miller, A. Caldwell.
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Miller, A. Caldwell.
Miller, Harry W.
Miller, G. Brown.
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Miller, Henry W.
Miller, Hors, Ir.
Millard, P. Melbonald.
Milligan, Leo P.
Mills, Wilham P.
Mills, Nav W. U. S. A.
Mills, Wilham P.
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Miller, Francis L.
Miller, Harry W.
Miller, Maurice E.
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Miller, Maurice E.
Miller, Maurice E.
Miller, J. Monore M.
Mills, May W. U. S. A.
Mills, Wilham P.
Miner, Francis L.
Milligan, Leo P.
Mills, Marker W.
Miller, Marker W.
More, Mederick H.
Monore, Mederick H.
Monore, Mark W.
Moore, Mead.
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Moore, Mead.
Moore, Callell.
Moran, John F.
Moran, Marker W.
Moran, John F.
Moran, John F.
Moran, James D.
Morgan, Milliam E.
Moran, Mem.
Morrison, Messen. Morrison, Joseph. Morrison, E. L. Morrison, Mary E. Morrow, James O.

Morse, Edward E. Morsell, William F. Morton, Dudley J. Moser, Jas. M. Motter, Murray G. Moulden, Wm. R. Mudd, Thomas D. Mildal, Thomas D.

Mulcahy, Daniel D.

Muncaster, Stewart B.

Mundell, Joseph J.

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Mundell, Gosph J.

Mundy, Royal G.

Mundy, Royal G.

Mundy, Reginald,

Munson, Leonard W.

Munson, Reginald,

Murdock, Lester H.

Murphy, Christopher J.

Murphy, John P. H.

Murphy, B.

Murray, T. Morris.

Murray, T. Morris.

Murray, T. Horris.

Murray, T. Morris.

Murray, T. Morris. Nicholson, Leonard S.
Nolan, Fred M.
Norcom, Henderson S.
Nordhoff-Jung, Sofie A.
Norrorss, Alfred C.
Norris, John Lison.
Norris, Leonard R.
Norros, Edwin H.
Norron, Edwin H.
Norton, Rupert.
Norton, William H.
Norwood, John C.
Nowlin, Homer E.
Nutting, Hugh.
Ober, George C.
O'Brien, Emille Y.
O'Connell, Jeffrey C.
O'Connell, Jeffrey C.
O'Connell, Wm. F.
O'Donoghue, Juo. A.
Oertel, Theodore E.
Old, Edward H. H.
U. S. N. Ortel, Theodore E. Old, S. Waard H. H., G. Waard H. H., Olds, William J. Olesen, Robert Henry. Oliver, H. J., Ir. O'Malley, Mary. O'Reilly, Thomas. O'Reilly, Thomas. Overton, Geo. N. D. Owens, Saml. Logan. Owens, W. O., U. S. X. Owsley, William T. Pagan, Albert E. Page, Wm. M. Park, Francis E.

Parker, Edward M.
Parker, Henry P.
Parker, Joseph M.
Parkinson, Bernard A.
Parrow, Thos., ir.
Parrott, Richard L.
Parsolls, Chas. W.
Parsons, Alfred V.
Parsons, Mary A.
Parsons, Swar. T.
Patten, William F.
Patter, William F.
Patter, Parker, Parke eck, Luke B. Pedrick, Franklin B. Pedrick, Frankin B. Pelzman, Ivy A. Pence, Charles W. Penroed, Hiram J. Penrose, Clement A. Percival, Francis R. Perkins, Louis J. Perkins, Robt. W. Perkins, Thomas L. Peterson Rowman I. Peterson, Bowman H.
Peterson, George.
Petters, Frederick H., Petters, Frederick H., U.S.A. Petteys, Charles V. Pettus, W. J., U. S. P. H. S. Pettus, W. J., U. S. P.
H. S.
Peyton, Harry A.
Peidifer, John Arthur F.
Pfenier, Charles A.
Phelps, William P.
Philes, William P.
Philes, William P.
Phillips, Walter F.
Pickind, Edward F.
Pickrell, Geo., U. S. N.
Pigcott, John Burr.
Pile, Mayne M.
Pilisbury, Henry C.,
U. S. A.
Pipes, Henry F.
Pleadwell, F. L., U. S. N.
Pole, Samuel B.
Polkinhorn, Henry A.
Polo, Samuel B.
Polkinhorn, Henry A.
Pool, Benjamin G. Polkinhorm, Henry A Pool, Benjamin G. Poole, Francis H. Poore, Thos. A. Forter, Herbert W. Forter, James A. Fortman, Adeline E. Fosey, Orlan 10 J. Potter, James A. Fotter, Margaret S. Poulton, William E. Powell, Robt. J. Power, E. M. Powers, Richard L. Prather, John W. Powers, Richard L.
Prather, John W.
Pratt, Alexis L.
Pratt, John P.
Prentiss, Daniel W.
Prentiss, Elliott C.
Prewitt, George T.
Price, Abel F., U. S. N.
Price, Harry M.
Price, P. Willis.
Price, Willian
Price, William K.
Primas, Howard E. Price, William K.
Primas, Howard E.
Prosperi, Milton H.
Prosperi, Milton H.
Pulliam, John M.
Pulliam, John M.
Pulsifer, Woodbury,
Purdy, Obadiah A.
Purman, J.
Purman, Lewis O.
Purman, Rose M.
Purnell, William W.
Purwis, Charles B.
Putzki, Paul S.

Pyles, J. Chester.
Pyles, Richard A
Pyles, Richard A
Pyles, Richard A
Pyles, Wm. L.
Quay, John B
Quick, Tunis C.
Quinn, William A.
Quivey, William L.
Rafter, Robert R.
Ragan, Charles A.
Ralph, Charles B.
Rand, William H.
Randall, Jas. H. U. S. N.
Randolph, R. C.
Ransom, Staey A.
Randolph, R. C.
Ransom, Staey A.
Rauterberg, Arthur C.
Rauterberg, Arthur C.
Rauterberg, Arthur C.
Rauterberg, Ruddlph,
Rawson, George Henry.
Ray, Anthony M.
Raymond, John U.
Read, Boyd R.
Read, Effie A.
Read, Effie A.
Read, Effie A.
Ready, Michael J.
Reador, D. H.
Reeve, Delos N.
Reeve, Jesse N.
Reeve, Jesse N.
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Reeve, Jesse N.
Reeves, William P.
Reeyer, Harry S.
Reibert, M. R.
Reichelderfer, Luther H.
Reid, Eva Charlotte
Reinhardt, Otto M.
Reis, Henry, Jr.
Ress, Henry, Jr.
Ress, Henry, Jr.
Rest, Henry, Jr.
Repetti, Fred
Reptti, Fred
Repetti, John J.
Reville, Laura M.
Reyburn, Ella F.
Repotti, Fred
Repetti, John J.
Reville, Laura M.
Reyburn, Robert, Jr.
Reynolds, Devter P.
Repetti, Frad
Repetti, Fred
Repe Richardson, Gustavus A. Richardson, James J. Richey, Stephen O. Richmond, Paul. Ridgeley, Albert. Riegel, William A. L. Riggles, J. Lewis, Riggs, D. H. Riker, Geo. A., U. S. N. Riley, Josephine. Riley, Phil. C. Riley, Terance G. Rives, William C. Roone, James J. Robbins, Ansel J. Robbins, Chas. S. Roberts, Edwin E. Roberts, Edwin E. Roberts, William L. Roberts, M. Roberts, Robberts, Roberts, R

Romaine, Frank W.
Roman, Frederick O.
Rosenau, M. J., P. H. S
Rosenberg, L. Chas,
Ross, Julian Waldo.
Ross, Louise
Rossiter, Thomas J.
Roush, Alva S.
Roy, Philin S.
Ruble, Wells A.
Ruedy, Robert C.
Ruffin, Geo M.
Ruffin, Sterling.
Rule, Amy J.
Russell, F. F., U. S. A.
Russell, Howard C.
Russell, Howard C.
Russell, Howard C.
Russell, Sacks, Samuel. Rutherford, Jesse B. Sacks, Samuel. Saffold, Guy Stark. Safford, James P. Sage, John B. St. Clair, Francis O. Samson, George C. Sanders, C. H. Sappington, Ernest F. Sappington, Ernest F. Saveva Linnews S. Sappington, Ernest F.
Savage, Linnæus S.
Savoy, W. S.
Savoy, W. S.
Sawyer, John F.
Sawtelle, Henry F.
Sawtelle, H. W., P. H. S.
Scarito, Nicolo.
Schaeffer, Edward M.
Schelksohn, Otto W.
Schench, Chas. P.
Schildroth, Henry T.
Schirch, George J.
Schloer, Chas. A.
Schmidt, Lawrence M.,
U. S. N.
Schneider, Elwin C. U. S. N.
schneider, Flancis A.
schneider, Francis A.
schoonover, Robert A.
Schreiber, Renty R.
Schreiber, E. R., U. S. N.
Schricker, Walter F.
Schrimer, E. R., U. S. N.
Schricker, Walter F.
Schumler, H. T., U. S. A.
Schrieber, H. T., U. S. A.
Schrieber, E. W.
Scott, Sidney L.
Scott, Sidney L.
Scott, Sidney L.
Scott, Sidney F.
Scullock, Herbert C.
Scabrook, Jesse M.
Seibert, Edward G.
Seitz, Roy E.
Seiby, John H.
Seilzer, Henry H.
Sessford, Joseph S. F.
Sewell, Charles A.
Sewell, Richard G.
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Sewoll, Rorles A.
Sewell, Richard G.
Sexton, R. Lymn.
Shade, Neven B.
Shands, Arellus R.
Shamby, John W.
Shade, Neven B.
Shamby, John W.
Shee, William F.
Shearer, Juliet G.
Sheehan, R., U. S. N.
Sheepl, Wm. Lloyd.
Sheekell, Abraham.
Sheldon, L., U. S. N.
Sheepl, Albert.
Shepard, Jackson B.
Sherwood, M. W.
Shipp, Edward M.,
U. S. N.
Shirley, John J.
Shute, Augusta P.
Shute, Daniel K.
Silvers, Richard Lee.
Slivers, Richard Lee.
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Slivers, Richard Lee.

Simmons, Maynard J.
Simmons, Sherod S.
Simonton, Laurence J.
Simpson, Charles A.
Simpson, Charles A.
Simpson, Geo. F.
Simpson, John C.
Sims, William E.
Sico, H. N.
Skinner, J. O., U. S. A.
Slattery, John J.
Slauchier, B. Rosalie.
Sloat, J. Irvine.
Smart, Benjamin H. A.
Smith, Arthur C.
Smith, CA.
Smith, Arthur C.
Smith, CA.
Smith, Cas. Gordon.
Smith, Ernest W.
Smith, George W.
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Smith, Hugh M.
Smith, John E.
Smith, John F.
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Smith, Julia E.
Smith, Lucian C.
Smith, Peter M.
Smith, Free G.
Smith, Lucian C.
Smith, Peter M.
Smith, Slas Le Roy.
Smith, Thomas C.
Smith, Thos. F.
Smow. Carydon G. U. S. N. G., Snow, C U. S. A. Snow, Carydon G.,
U. S. A.
Snowden, Arthur.
Snowden, Edgar.
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Sohon, Ellzabeth.
Sohon, Fletel, John
Somerville, John
Somerwille, John
Sorrell, George R.
Sothoron, Levin J.
Souter, William N.
Sowers, William N.
Sowers, William N.
Sowers, William F.
Sowers, Zachariah T.
Sparks, W. C.
Spear, Rawmond, U.S.N.
Speiden, Edgar.
Spellman, Frank J.
Spencer, John B.
Spiegel, Harry A.
Spire, Richard Lee.
Sprieg, William M.
Squire, Linus T.
Stackniewicz, Vincent J.
Stackniewicz, Vincent J.
Stalkeer, Paul R.,
Stalkeer, A. C. U. S. N. Squire, Susanna J. Stalchiewicz, Vincent J. Stalnaker, V. Sun R. U. S. N. Stanten, Wm. J. Staples, Aubrey H. Stark, A. N., U. S. A. Starr, A. N., U. S. A. Starr, Emma M. C. Stavely, Albert L. Stearns, John S. Stavely, Albert L. Stearns, John S. Stearns, J. Warren. Stelz, P. H., Jr. Stephenson, Eugene T. Steppen, J., U. S. N. Sterne, Charles F. Stetson, Thomas Sterne, Charles F. Stetson, Thomas Stevens, Albert H. Stevens, Edward, Stevens, Edward, Stevens, Charles F. Stevenson, Dr. C. Stevenson, Dr. C. Stevenson, Dr. G. Stevenson, Charles F. Stevenson, Stev

Stoddard, Leroy R.
Stokes, Chas. F., U.S. N.
Stone, Charles G.
Stone, E. P., U. S. N.
Stone, Isaac S.
Stone, James H.
Stone, John H., U. S. A.
Stoneroad, Rebecca. Stoneroad, Rebecca.
Story, James J.
Story, Leon E.
Stout, Henry I.
Stout, Joseph D.
Stout, May Turner.
Stoutenburgh, John A.
Stowell, Charles H. Stowell, Charles H.
Stratton, Ernest K.
Strawn, Estil Young.
Street, Daniel B., ir.
Street, Harlow R.
Strine, H. F., U. S. N.
Strobel, Mary L.
Stromberger, H. H.
Stuart, Albert R.
Stuart, Garden C.
Stuart, James.
Stutz, John A.
Suddarth, James L.
Sudler, Thomas.
Sudler, Thomas. Sullivan, Timothy Joseph Sullivan, Robert Y. Sullivan, Welbie L. Sult, Chas. W. sumivan, Kobert Y.
Sullivan, Webbe L.
Sult, Chas. W.
Summy, Benn W.
Supplee, E. D.
Suter, Henderson.
Suter, W. Given.
Sutherin, John W.
Sutherin, John W.
Sutliff, Milo H.
Sutton, Dallas G.
Sutton, R. N.
Swatt, Bern, H.
Swain, Benj. H.
Swain, Benj. H.
Swain, Henj. H.
Swain, Henj. H.
Swain, Henj. H.
Swain, Benj. H.
Swatt, Free K.
Swattwout, Frank A.
Swett, Free K.
Taylor, John Allen, jr.
Tappan, Joseph G.
Tasbert, John Allen, jr.
Tasbet, John Allen, jr.
Tasbet, John Allen, jr.
Taylor, Chase.
Taylor, Almed H.
Taylor, Chase.
Taylor, James E. H.
Taylor, L. H.
Taylor, Sterling P.
Telft, Frederick O.
Teenmant, Albert A.
Terry, Elmer Claytor.
Terry, Pillip R.
Test, Frederick C.
Tewskbury, Wm. D.
Thomas, Garrie H.
Thomas, John D.
Thomas, Wm. J. G.

Thompkins, Wm. J. Thompkins, Wm. J.
Thompson, Alex. C.
Thompson, Edgar, U.S.N.
Thompson Edgar D.
Thompson, Henry P.
Thompson, J. Lawm.
Thompson, J. Lawm.
Thompson, Lewis R.
Thompson, Millard F.
Thompson, Lewis B.
Thomseen, William J. R.
Tibbet Albert P. Thompson, Lewis B.
Thomssen, William J. R.
Thobset, Albert P.
Tignor, Chas. A.
Tignor, William L.
Tignor, Chas. A.
Tignor, William L.
Tidon, Joel A.
Tomlin, Timothy H.
Toolson, Wm. A.
Tomlin, Timothy H.
Tompkins, George J.
Trible, G. B., U. S. N.
Trimble, Robt. S.
Trow, Walter G.
Trudgian, Josiah B.
Tucker, William P.
Turner, Molyneaux.
Turton, Wm. E.
Tuthe, A. D., U. S.
Twongood, Merton E.
Tyler, Robert B.
Ulmer, Charles A.
Twogood, Merton E.
Tyler, Robert B.
Ulmer, Charles A.
Upshaw, Thomas L.
Vall, Frank P.
Valentine, Aloysius W.
Van Keuren, Jesse P.
Van Rensselaer, John.
Van Sweringer, Walter.
Vaughan, W. W.
Verbrycke, J. Russell,
Vinciguerra, Michael,
Von Ezdorf, Rudolph H.
Wagner, Henry G.
Wagner, Robert S.
Waller, C.
Walker, R. R.
Wall, Joseph S.
Wall, Max.
Walker, R. R.
Wall, Max.
Wallaee, C. Jaquius,
Walsh, Ferdinand C.

Walsh, John E.
Walsh, Ralph.
Walter, Leroy D.
Walter, William F.
Ward, Samuel A.
Ward, William R.
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Warden, H. F. W.
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Warden, H. F. W.
Warfield, William A.
Waring, James H. N.
Waring, J. B. H.
Waring, J. B. H.
Warner, John A.
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Warner, John Benj, S.
Warnen, Stanler S.
Washburn, William S.
Washington, Richard.
Waters, Chas. H.
Waters, Chas. H.
Watkins, Edgar W.
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Watkins, Victor F.
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Watkins, Victor R.
Watkins, Victor F.
Westor, Clarence A.
Weelber, C. H., U. S. N.
Wells, Charles I.
West, William E.
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West, Walter A.
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West, William D.
West, Charles S.
White, Davenport.
White, Charles S.
White, Davenport.
White, Charles F.
White, Lawrence.
Wiltiamer, M. M. S.
Wiltiamer, M. M.
Wiltiamer, M. M. S.

Wiese, E. Robert,
Wiggins, Dallas B.
Wilder, James R.
Wilder, James R.
Wilder, James R.
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Wilder, Clarence C.
Wilkinson, Alfred D.
Wilkinson, Oscar,
Wilkinson, Walter W.
Wilkinson, Walter W.
Wilkinson, Oscar,
Wilkinson, Marter W.
Wilkinson, Marter W.
Wilkinson, Alexander W.
Wilkinson, Alexander W.
Williams, Geoffrey.
Williams, J. Buxton, jr.
Williams, F. Buxton, jr.
Williams, Regrinald O.
Williams, Regrinald O.
Williams, Regrinald O.
Williams, Tom A.
Williams, Regrinald O.
Williams, Tom A.
Williams, Welton C.
Williams, Welton C.
Williams, Pentiss.
Williams, Welton C.
Wilson, Edward D.
Wilson, Edward D.
Wilson, Ledward D.
Wilson, Ledward C.
Wilson, Wm. H.
Worder, Garden P.
Wood, Amos D.
Wood, Amos D.
Wood, M. N., U. S. N.
Wood, Amos D.
Wood, Amos D.
Wood, Charles H.
Wood, Amos D.
Wood, Amos Zimmerman, Charles St.

V. Zinkhan, A. M. Zinkhan, Paul H •

APPENDIX H.

REPORT OF CHIEF OF BUREAU OF VITAL STATISTICS.

OCTOBER 21, 1918.

Sir: I have the honor to submit herewith a report relative to vital statistics of the District of Columbia for the calendar year 1917, embraced chiefly in the accompanying tables.

Population.—The population, according to the enumeration of the police department in the fall of 1917 was 395,947, an increase since the census of 1915 of 38,198. The white population was 293,329, showing an increase of 34,389; the colored, 102,618, an increase of

3,809. There were 190,567 males and 205,380 females.

It is to be regretted that Table 7, which considers mortality as to various statistical districts and comparative mortality with regard to alleys and streets, and its subdivisions could not be completed in time for this report and are therefore omitted from the statistical These omissions were made necessary on account of the appendix. loss of clerical assistance, occasioned by demands for war service and inability to fill the vacancies thus created.

General mortality.-Deaths from all causes during the calendar year 1917 numbered 6,687, of which 4,070 were white persons and 2,617 colored. The white deaths represent a death rate of 13.88,

the colored death rate was 25.50, and the general rate 16.89.

Comparative race mortality.—The following statement shows the ratio between the death rates of the white and colored races from certain specified diseases:

Comparative race mortality.

Diseases.		rate per 000.	Ratio of death rates,
Jacobs.	White.	Colored.	white to colored.
Accidents and negligence	76.9	90.6	1 to 1.18
Alcoholism	3.4	10.7	1 to 3.15
Bronchitis (all forms)	13.6	18.4	1 to 1.35
Cerebral nemorrhage	108.4	167.6	1 to 1.55
CITTHOSIS OF HVer	11.6	5.8	1 to 0.50
Convuisions, injantile	0.7	6.8	1 to 9.70
Diarrilea, etc., finder 2 years	35.8	118.9	1 to 3.32
Dysentery	1.4	2.9	1 to 2.07
Dysentery Marasmus and inanition, under 1 year	9.3	17.5	1 to 1.88
Acute	10.9	43.9	1 to 4.03
Chronic.	135.3	235. 8	1 to 1.07
Pericarditis, endocarditis, myocarditis	19.1	101.3	1 to 5, 30
Pneumonia, all forms.	112.5	298.3	1 to 2.65
Premature birth.	35.1	102.3	1 to 2.91
Puerperal nephritis and eclampsia	2.4	6.8	1 to 2.83
Pulmana Septicemia	0.4	14.6	1 to 36, 50
Pulmonary hemorrhage.	1.4	11.7	1 to 8, 36
Rheumatism, acute and chronic	5.5	7.8	1 to 1.42
RicketsSenility	0.0	10.7	1 to
Senility Synhilic congesital	31. 4	33. 1	1 to 1.05
Syphilis, congenital.	3.4	24.4	1 to 7. 18
	22.8	8.8	1 to 0.39
Tuberculosis:	22.0	0.0	2 00 0.00
Abdominal	3,4	8.8	1 to 2, 59
Generalized.	0.7	1.0	1 to 1.43
Pillmonagy	93.4	311.9	1 to 3.34
Pulmonary Typhoid favor	5.1	33. 1	1 to 6.49
Typhoid fever.	168. 4	275.8	1 to 1.61
Valvular heart disease Whooping cough	2.8	9.7	1 to 3.46
Whooping cough.	2.0	5. 1	1 00 0. 20

Mortality in relation to age.—The average age of all decedents during 1917 was 45 years and 27 days, an increased age at death of 1 month and 25 days over 1916. The average age of the white decedents was 49 years, 11 months, and 24 days, and that of the colored 37 years, 5 months, and 8 days.

The following table shows the average age of decedents by race and

sex during 1916 and 1917, compared:

Average age of decedents, 1916 and 1917.

		Male.			Female.			All.	
Race.	Years.	Months.	Days.	Years.	Months.	Days.	Years.	Months.	Days.
White decedents:									
1916	48	7	6	51	9	7	49	11	2 2
1917	48	10	24	51	3	29	49	11	
Colored decedents:									
1916	36	9 8	24	37	3 2	4	37 37		1
1917	36	8	1	38	2	21	37	5	
All decedents:								1	
1916	44	2	19	45	9	2	44	11	
1917	44	4	17	45	10	14	45		

Infant mortality.—The death rate among infants less than 1 year of age has consistently declined with occasional yearly variation since 1901, as may be seen from the following table:

Death rates under 1 year of age, computed on reported births.

		White.			Colored.		-	Total.	
Year.	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.
1901-1905 ¹ 1906-1910 1911-1915 ¹ 1916	3, 429 4, 632 4, 794 5, 042 5, 291	519 522 411 413 373	151 113 86 82 70	1,980 2,268 2,234 2,216 2,228	650 592 424 353 357	328 261 189 159 160	5, 409 6, 900 7, 028 7, 258 7, 519	1, 169 1, 114 835 766 730	21 16 11 10 9

¹ Annual average for 5-year period.

Mortality with reference to causes of death.—The following statement shows comparison between the number of deaths during 1916 and 1917, separately classified according to certain disease groups and arranged with reference to race. For detailed information concerning the various diseases comprised in these groups, the number of deaths from each disease, and other data reference should be made to the general statistical Table No. 1 and its subdivisions in appendix.

Mortality as to disease groups, 1916 and 1917, compared.

		Wh	ite.			Color	ed.	
Disease group.	Ма	le.	Fem	ale.	Ма	ile.	Fem	ale.
	1916	1917	1916	1917	1916	1917	1916	1917
General diseases	519	495	423	485	350	325	354	329
Nervous system		259	206	221	113	119	115	138
Circulatory system	416	422	344	304	194	210	182	237
Respiratory system	198	231	178	181	206	209	173	146
Digestive system	169	186	150	158	111	113	110	107
Genito-urinary system	281	281	182	199	145	164	145	162
Genito-urinary system Puerperal state			30	27			32	32
Skin and cellular tissue	13	8	4	5	10	10	3	9
Organs of locomotion	9	7	2	3	3		1	3
Malformations		21	10	10	4	. 2	1	3
Infancy		93	81	72	79	69	55	72
Old age	26	37	52	55	18	12	25	22
Violence	184	212	76	94	73	87	33	35
Ill-defined diseases	2	3	1	1	4	1	2	1
Total	2,214	2,255	1,739	1,815	1,310	1,321	1,231	1, 296

Suicides.—Seventy-six persons committed suicide during 1917, of whom 67 were white and 9 colored. This number is 12 less than was recorded for the previous year. The various methods employed for self-murder were as follows: Twenty-three (22 white and 1 colored) used illuminating gas, 21 (18 white and 3 colored) used firearms, 10 white and 3 colored committed suicide by means of poison, 6 white and 1 colored used cutting instruments, 5 white and 1 colored died by hanging, 5 white by drowning, and 1 white from jumping from a high place.

As to the age of those who died by suicide, 3 were between 10 and 19 years of age, 20 between 20 and 29 years, 13 between 30 and 39 years, 17 between 40 and 49 years, 11 between 50 and 59 years, 9 between 60 and 69 years, 2 between 70 and 79 years, and 1 between 80 and 89

vears.

Suicides among married people were 30, unmarried 31, widowed 5,

and those whose marital relation was unknown, 10.

Suicides whose birthplace was the District of Columbia numbered 15. Thirty-five were born in other parts of the United States, 11 were foreign born, and 15 were of those whose nativity was undetermined. Births.—There were 7,519 live births registered during 1917, of

which 5,291 were white babies and 2,228 colored.

Vital statistics for the first half of the calendar year 1918.—The following statement shows the morbidity and mortality in the District of Columbia during the first six months of 1917, with corresponding figures for the first six months of 1918 of certain reportable and other diseases together with deaths due to violence.

Reportable cases of illness and deaths in the District of Columbia, during the first half of the calendar year 1918, with the corresponding figures for the first half of the calendar year 1917.

		es of		Dea	ths.		/D-4	
		ease.	Wh	ite.	Colo	ored.	Tot	al.
	1917	1918	1917	1918	1917	1918	1917	1918
External causes: Accidents and negligence Homicides Suicides Natural causes.			84 10 39 2,042	99 10 32 2, 289	36 10 5 1,281	47 16 1 1,425	120 20 44 3,323	146 26 33 3, 71s
Total			2,175	2,430	1,332	1,489	3,507	3,91
Special diseases: Bronchitis	691	635	23	32	11	22	34	5
Under 2 years. 2 years and over. Diphtheria Megsles.	332	364	14 18 14	15 24 17 41	23 9 1 2	23 16	37 27 15 4	3 4 1 4
Meningitis, epidemic cerebrospinal Pellagra Pneumonia.	19 6	6,850 98 8	220	17 3 335	4 4 189	7 8 1 313	10 4 409	64
Pulmonary congestion Tuberculosis, all forms Rheumatism, acute Scarlet fever	491 269	611 788	161 5 5	158 7 14	207 3	192	368 8 5	35
Smallpox. Typhoid fever. Whooping cough. All other diseases. External causes, as above.	65 686	30 45 819	3 5 1,559 133	8 8 1,605 141	8 3 815 51	8 7 827 64	11 8 2,374 184	1 1 2,43 20
Total		10, 248	2, 175	2,430	1,332	1,489	3,507	3,91

Very respectfully,

A. C. Patterson, M. D., Chief, Bureau of Vital Statistics.

Dr. Wm. C. Woodward, Health Officer, District of Columbia. APPENDIX I.

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death.

						Caler	Calendar year 1917.	1917.					
							Per-		ths by r	Deaths by race and sex.	ex.	E	
Cause of death.	Ĕ	Total deaths.	ps.	Gener	General death rates.	rates.	centage of each cause		White.	Colo	Colored.	Local	rotal by sex.
	White.	Col- ored.	Total.	White.	Col- ored.	Total.	mor- tality.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
I. General diseases. Typhold fever	. 15	34	49	0.051	0.331	0.124	0.733	1-	∞	18	16	25	22
Rolapsing fever. Malaria	-	4	73	.003	.039	.013	.075	-			4	-	
Small pox. Nensilor Small pox. Small pox. Diptherist and croup.	27.88.82 8.88.82	2 01 05	14 8 18 37 106	.041 .027 .028 .035	.020 .097 .088 .390	.035 .020 .046 .094 .268	209 120 269 553 1.585	02~9558	2 1 6 15 38	2 3 16 16	75 32 7	27 - 20 5	
Alliaty Free Asiatic cholera Cholera nostras. Dysentery Plane	्रा । जिल्ला । जिला । जिल्ला । जिला । जिल्ला । जिल्ला जिला जिल्ला जिला जिल्ला जिला जिल्ला जिल्ला	e .	7	.014	.020	.018	.105					co.	
Veltows Veltow	13	€5 4ª	15	.041	.029	.038	. 224	1- Φ	. 5	2	6 2	r- 00	
Authrax Rabes Teranis Actinomyosis Pellagri Rengari	8810	4 6	142-7	.010 .007 .017	.039	.018 .005 .035	104 030 209	-F3@	4	5 3	1 7	2000	

Table 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

The control of the								Calen	Calendar year 1917.	.1917.					
Total death. Course of death. Colored									Per-		ths by r	ace and	Эвх.		
Tuberculosis L. General diseases Continued. Col. Total White Col. Total T		Cause of death.	Ē.	otal deat	hs.	Gener	al death	rates.	centage of each cause		ite:	Colc	red.	Total	эу зөх.
Thereulogis I. General diseases—Continued. Thereulogis I. General diseases—Continued. Thereulogis I. General diseases—Continued. Acute milisty. Biblist. Biblists.			White.	Col- ored.	Total.	White.	Col- ored.	Total.	mor- tality.	1	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
Acute military Acute military Acute military 4 96 641 186 66 389 64 66 67 78 Abdominsi Spholitist 6 10 10 108 108 10 10 11 1	1	I. General discases—Continued.		320			3.119			0,11		E,		341	
organists 3 1 4 000 000 000 000 100 000 000 100 000 000 100 000 000 100 100 000 000 100 000 000 100 000 000 000 100 000 <td></td> <td>Acute miliary Meningsal. Abdominsal Spinal</td> <td></td> <td>400</td> <td></td> <td></td> <td>.088 .019</td> <td></td> <td></td> <td>4 30 KD FH</td> <td></td> <td>691</td> <td>, ro co</td> <td>.212</td> <td></td>		Acute miliary Meningsal. Abdominsal Spinal		400			.088 .019			4 30 KD FH		691	, ro co	.212	
that the control of t		Of joints Of other organs Usseminated		- v			010.01					07 F1 F0	3.1		- 6 000
Higherton. Local cavity: Local cav		Ruckers Syphilis: Acquired		51.5		,	.146			∞ u	61 14	10 51		818	
Register Control of the Control of t		: :		3	3		900					1		,	
6. 11 2 13 .038 .009 .003 .015 .015 .015 .016 .015 <td></td> <td>1. Jaw. 2. Lip. 3. Worth</td> <td>401</td> <td>4 -</td> <td>0000</td> <td>.007</td> <td>010</td> <td>88.8</td> <td>080</td> <td>, — —</td> <td></td> <td></td> <td>0</td> <td>4 1 6</td> <td></td>		1. Jaw. 2. Lip. 3. Worth	401	4 -	0000	.007	010	88.8	080	, — —			0	4 1 6	
hagus Anna Anna Anna Anna Anna Anna Anna Ann		4. Palate 4. Palate 5. Tongrie 6. Tongrie		2	- 52 -	.038	.010 .019	0033	.015	10	1	2		121	
1 1 .008002015005015 1016016016016017		Cancer of— 1. Liver 2. Cosophagus 3. Stomach 3. Stomach Cancer of interines			52 7 58 20 7 58	.174 .024 .235	. 049	.141	.837 .105 1.376 .748	19 6 37 17	33 T 33	4 12 1	1 17	22 9 4 81	
		Cancer of— 1. Clitoris. 2. Ovary. 3. Uterus.			1 4 2 2 4	.003	. 185	.002	.060		H 488		19		

Cancer of breast Cancer of face.	38	10	54.	. 130	.049	. 109	. 104	. 4	38.80		2	.4	55.00
Cancer of— 1. Abdomen. 9. Arm	1.5		2 -	.007		.005	.030		1 5				21
3. Axilla 4. Bladder	16		17.5	.003	010.	.005	254	00 =	∞			-67	- œ
5. Bone. 6. Chest.	*			. 003		005	.015	*	-				-
8. Eye			0	.003		.003	.015		6				
-0,) H	000		805	.015	-					:
11. Kidneys. 12. Larynx	04		0 4	.014		010	286	4 4	- :			44,	1 :
-2	m 61	7 :	4.01	000.	600	002	38		77				ω⊶.
15. Neck 16. Pancreas	4 4	7 =	0 40	.014	010	.013	072	40	-	1		000	-67
17. Pelvis. 18. Penis.	-	-		.003	.010	888	.015	7		-			
19. Prostate	01	-	9-	. 034	600	420	. 150	10			-	10	1
21. Spine.	i i	-			010	200	.015	·		-	· [•
22. Throat 23. Thyroid	7	г		.003	.010	000	.015	7			ī	-	1
24. Viscera	- 53	-	07-	200	-	505	.030	63	-		-	63	
Tumors, nonmanguant. Rheumatism, acute.	-1-	9	13	024	.058	.033	194	3	4 41	-	20	4	-01
Kheumatism, chronic, and gout	S.	23	=	.031	070	.028	1 0.	20	9	-	-	4	
Diabetes Front the limit of the	20	15	65	.170	.146	164	. 972	25	25.	₹,	=	62°	36
Addison's disease	0 61		~ 60	.0020	000	800	. 045	1	000			7-	o 01
Leukemia. Anomia	9 Z	-10	27	.021	.010	810.	4.04	° ==	e =	5	- 6	. E	4 4
Other general diseases:	10		10	.034		.024	.150		7			က	7
2. Hemophilia (3 months and over)	64.69	12	w 4	200.	010	008	.042	-	~ ~		-	- 0	01 01
~ *	101	111	21	.034	.107	. 053	.314	00	63	6	61	17	4
Other Porsonnes, Comparison poisoning. Sallyar chr.	-		-	.003		003	015	-				-	
, , , , , , , , , , , , , , , , , , ,	100	1	100		0 0 0	100	100	100	107	100	000	000	017
Total, general diseases	980	604	1,034	3.340	0.3/3	4. 12/	24.435	490	450	979	670	070	410
II. Diseases of nervous system and organs of special sense.													
Cerebral abscess Meningtis, epidemic Simple. Locomotora taxta.	3 3 3	00 to 00	26 6 6	.010	029	.015 .043 .066	389	800g	=-	H90160	3-15	49220	2-4-

TABLE 13.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and

Cause of death.						Calen	Calendar year 1917.	.1917.					
							Per-		ths by r	Deaths by race and sex.	ex.	E	
#	Tot	Total deaths.	ri.	Genera	General death rates.	rates.	centage of each cause	White.	ite.	Colo	Colored.	Toran	Total by sex.
	White.	Col- ored.	Total.	White.	Col- ored.	Total.	mor- tality.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
II. Diseases of nervous system and organs of special sense-Con.													
1. Attornly, progressive muscular. 2. Myelitis, diffuse. 3. Paralysis, agitans. 4. Paralysis, gattans. 5. Pollorisis, plinbur. 6. Solerosis, plinbur. 6. Solerosis, plinbur. 6. Solerosis, plinbur. 6. Solerosis, principle of paralysis, general, plinbur. 6. Convulsions (computerperal), 5 years and over convulsions (under 5 years). 6. Chorea. 6. Chorea. 6. Chorea. 6. Chorea. 7. Charlet dissease of herrous system: 6. Chorea. 7. Charlet dissease of herrous system: 6. Charlet dissease of herrous system: 7. Charlet dissease of herrous system:	200 200 200 200 200 200 200 200 200 200	22 28 27 7	4481180084 64 0082 8188 8188 8188 8188 8188 8188 8188	0007 0007 0007 0007 0007 0007 0007 000				141 147 149 149 160 100 100 100	1 2 1 6 6 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	65 65 19 11 13 7	100 20 7 7 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 1 1920 8 1 8 F	24.11.22.23.33.11.44.1
2. Epilesy, traumatic 3. Huntington's chorea 4. Idioo's chorea 5. Jacksonian oplicacy 6. Nearsthemia 7. Organic brand disease. 8. Spasm of diaphragm 9. Tumor of diaphragm Diseases of the eye and amesta	2 2 2 2 1 2 2	191	2 1132112		.010 .020 .010	000000000000000000000000000000000000000	.030 .015 .015 .030 .045 .015 .015	1 00 1	1 2 2 1		1 2 3	7 7 7 7	

•			00
365 365 7 72 22 72 10 10	541	15.0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	36
28 412 28 28 18 72 17 1	632	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	32
2 59 151 1 1 1 1 1 1 1	237	40000045100 00 1 \$ 00045	13
132 132 111 15 15 15	210	110 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	304	22 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29	38
286 286 277 112 112	422	11142212222222222222222222222222222222	88
2.363 11.619 .523 .239 2.153 .060 .015	17.541	0005 0005	1.017
.010 .389 .088 .088 .051 .364 .068 .000	2.962	000 000 000 000 000 000 000 000 000 00	172
	4.356	0.000 0.000	. 214
.007 .184 1.684 .116 .027 .382 .058	2.475	2000 2000 2000 2000 2000 2000 2000 200	.157
1584 7777 355 20 1444 27 22	1,173	222125521212221 16272125533335521	98
283 283 283 112 112 10 10 11	447	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22
254 494 34 34 112 173 3	726	11100000000000000000000000000000000000	46
III. Diseases of circulatory system. Perfearditis. Endocaeditis and myocarditis (under 60 years) Crignic heart disease. Arentrian pederics. Arentrian pederics. Embolism and thrombosis. Phobitis. Admits. Adm	Total, diseases of circulatory system	IV. Diseases of respiratory system. Diseases of masal fasse. Asyrapeal susam. Hyperthyrodism. Bronchitis, expliad. Bronchitis, expliad. Permonnia, bronchial, etc. (under I year). Permonnia, bronchial, etc. (I year and over). Permonnia, Jobar, etc. (Under I year). Permonnia, Jobar, etc. (Under I year). Permonnia, Jobar, etc. (under I year). Permonia, Perconsistion of the permonia of	
72 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		88 88 88 88 88 88 88 88 88 88 88 88 88	1085

Table 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

							Calen	Calendar year 1917.	1917.					
								Per-	Des	Deaths by race and sex.	sce and s	ex.		
Cause of death.		Total	Total deaths.		Genera	General death rates.	rates.	centage of each cause	White.	te.	Colo	Colored.	Total by sex.	y sex
	White.		Col- ored.	Total.	White.	Col- ored.	Total.	mor- tality.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
V. Diseases of digestive system-Continued.														
		30: 11	91 4 31	44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.106	0.156 .029 .039	0.119 .035 .010	0.703 .209 .060 .613	13 6 11	18 5 19	6618	7 1 8 6	28 TE	
ines: n, intestin		: - :	12	-00-	003	.010	905	.030			1			
5. Stenostin of court. Atrophy of liver, agute yellow			-		.003	.010	003	.015	-			1	1	
Hydrated tumor of liver Cirrhosis of liver Cholelithiasis Hepatica baccas		34. 17 5	1730	40 19 6 9	.058 .058 .017	020	.101 .048 .015	284 090 135	82 81:48	21 12 6	4 [88	3000	
Disease of spleen Poisease of spleen Poisease of spleen Subphrenic abscess. Pancreatitis.		4-16	-	10-10	000 010 010	.010	.013 .003 .008	.075 .015 .045		6 6		-		
Total, diseases of digestive system		344	220	264	1.173	2.144	1.425	8. 434	186	158	113	107	596	
Nephritis, acute. Nephritis, chronic Chejuria		397	242	639	1.353	2.358	1.614	1.151 9.555	16 233	16 164	1308	25 112	363	41 276
Other diseases of kidneys and annexa. 1. Hydronephrosis. 2. Pyelonephritis.		12	2	19	0003	.068	002	. 284	100	00	5	2	177	

															0.1
2			16	∞ 4	E 01	361		eo 44 eo			-284	9	29		12 ::: 12
11	-22	203	İ			445									11 2 2
1			13	6	62.70	162		8181	2 - 2	-	15		32		oc
2		0100				164									2 5
-			3	114	1.0	199		354	2		0-1-0	9	27		4 1
9	-	es oc				281									4-6
.194	.015	.045	. 239	.015	.045	12.053		.045	888	.015 .045 .015	28,83	.015	.883		.343 .015 .030 .030
.005	.003	.005 .005 .005	.040	.002	.008	2.036		. 0008	010	88888	935	.003	.149		903528
.010	.009	.020	.127	.020	.019	3.177		.020 .019	2000	.010	.068		.312		.146
.034	.003	.010	.010	.004	.004	1.636		.003	.004	003	0242	.003	.092		.0027 .0007 .004
13	707		16	Ω ⊢ Ψ	10	806		eo 44 eo €	1014		2 2 4 2	-	59		8-0-0
3 1		0101	13	63	01.10	326		0101	9-0	-	15		32		15
10	-	e-00	60		Hz	480		3.57	-2	8-1-	8-1-8	-	27		× - 10 - 1
Pris.	Perineal fistula Urchius Isricture. 8 of practata	1. Abotess 2. Hypertrophy Region 6: Front Communication 1: Front Com	Lings (nonline pera)	1. Playlo absess: 2. Prolapsed uterus. Ovarian cysts. Other diseased femiles are in the control of the control of the control of the cysts.	Ovarian abseess Pyosalpinx.	Total nonvenereal diseases of genito-urinary system	VII. The puerperal state.	idents of pregnancy: 1. Expertion: 2. Expertion: 3. Expertion: 3. Expertion: 4. A Complete pregnancy: 4. A Althreat Place in the complete pregnancy: 4. A Althreat Place in the complete pregnancy: 5. A Althreat Place in the complete prednancy: 5. A Althreat Pla	Placenta previa. P Postpartum hemorrhage accidents of labor.	Ossarean section Labor projonged Perineum, laceration of Rupture of tuterus	pertionitis septicemia septicemis embolism	Puerperal insanity. Puerperal diseases of breast.	Total, the puerperal state	VIII. Diseases of skin and cellular tissue.	xxtremities. penis. odisstinum.
123 Renal calculi	Disease	1 1	129 Uterine fibroids			Total n		Accidents of pregnancy 1. Abortion 2. Ectopic pregnancy 3. Voruting 3. Voruting	2. Placer 3. Postpi 136 Other accide	-i0,00.4	Puerperal peritonitis. Puerperal septicemia. 138 Puerperal nephritis 139 Puerperal embolism		Total, t	Δ	Gangrene of extremities Gangrene of of penis Garbuncle

Table 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

							Caler	Calendar year 1917.	. 1917.					
		-						Per-		ths by r	Deaths by race and sex.	Sex.		
	Cause of death.	=====	Total deaths.	ths.		General death rates.	rates.	centage of each cause		White.	Colc	Colored.	Total	Total by sex.
		White.	Col- ored.	Total.	White.	Col- ored.	Total.	mor- tality.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
1	VIII. Diseases of skin and cellular tissue—Continued.													
145	Other diseases of skin and cellular tissue. 1. Eccema. 2. Pemphigus 3. Uteer of foot.				0.003	0.010	0.002	0.015 .015	1		1		1 1	
	Total diseases of skin and cellular tissue	13	19	32	.044	. 185	080	.478	∞	5	10	6	. 18	
146	Diseases of bones: 1. Mastodiffits. 2. Osteonyelitis. 3. Infected antrum. Ambritations.		2	H4H70	.010 .010 .010	.010	.010 .010 .013	.015 .060 .015	m m			1 2	m m	
6	Bursitis	7		2	.007		.005	.030	-	-			-	
	Total diseases of bones and organs of locomotionX. Malformations.	10	8	13	.034	.029	.033	194	7	3		8	7	
150	Congenical malformations: 1. Howeverhalis 2. Hydrocephalis 3. Hydrocephalis 4. Hydrocephalis 5. Microcephalis of liver 6. Open forman orale 7. Pythore squorsis 8. Spine bildis 9. Spine bildis 1. Spine bild	12811171	1 4	528	99.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	010.	902		-4 E	8 112			1701 411	α .π.σ.
	. Total malformations.	31	5	36	.105	.049	160.	. 538	21	10	2	8	23	13

144 45.00 7 2000 250027 26 33 154 37 22 6 CJ 4 72 22 12 -8 55 -2408 52 2 2 2 3 7 2 2 2 3 37 030 4.5761.884 005 008 008 525 005 005 005 005 005 005 005 005 .318 020 013 015 003 003 003 003 .005 .019 .010 1.374 : : 600 .068 136 . 331 014 003 007 007 .007 200 038 038 010 020 017 017 020 030 030 007 007 038 055 351 . 563 .314 900 990 990 0000 2002 234 321011311013 67 126 172562358 -01--05 8-8 ... 7 18 20 141 34 221122 31918 4-00 165 92 202 1. Atrophy, infantib.
2. Icterus neonatorum.
3. Inantiton (under 1 vear).
4. Marsamus (under 1 vear).
5. Prematurity.
6. S. Prematurity.
7. Asphyxia neonatorum.
2. Atcheicasis.
4. Ceastean section.
4. Ceastean section.
6. Hemorrhage, unbillical.
6. Hemorrhage, unbillical.
8. Labor, difficult.
10. Melman.
11. Septsis, neonatorum.
11. Septsis, neonatorum.
12. Melpostion.
13. Melpostion.
14. Septsis, neonatorum.
15. Melpostion.
16. Melman.
17. Melmostion.
18. Melpostion.
19. Melmostion.
19. Melmostion. 1. Bichloride of mercury
2. Carbolic each
3. Iluminating gas.
4. Hanging
4. Hanging
6. Firestrus
6. Firestrus
7. Cutting instruments
8. Jumping from high place
9. Crishing
10. Other means
11. Alcohol.
2. Include accidental poisoning
2. Include of mercury
4. Optium 1. Asphyxiation in bed.
2. Carbon monoxide.
3. Ether marcosis.
4. Illuminating gas. Atrophy, infantile..... Exposure Total early infancy..... Old age.... Conflagration Burns and scalds Durns and scads.
Absorption of deleterious gases (accidental): Illuminating gas..... XIII. External causes. XI. Early infancy. Congenital debility, icterus, etc. Bichloride of mercury 151 156 152 155 159 153 154

Table 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1917, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

-							Cale	Calendar year 1917.	. 1917.					
								Per-		Deaths by race and sex.	ace and s	юх.	E	To to the last of
	Cause of death	H	Total deaths.	hs.	Gener	General death rates.	rates.	centage of each cause		White.	Colo	Colored.	1003	oy sex.
		White.	Col- ored.	Total.	White.	Col- ored.	Total.	mor- tality.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.
	XIII. External causes—Continued. Drowning (accidental) Incised wound, lemoral artery (accidental) Dalying in shallow water, fracture of neek. Injured in mine Financia content Injured by mechinery Chalmed hand Traumatism by entities, railways, etc 2. Activate in or han 6. Railmed stream 6. Struck by moving crans 7. Thrown from fire truck 8. Vehicles, jujured by 7. Kleked by horse 1. Thrown from horse. 8. Vehicles, jujured by 7. Thrown from horse. 8. Vehicles, jujured by 7. Elsey for horse. 8. Vehicles, jujured by 8. Vehi	54-1-6 1-1- € 151-1-00-1 C-1	828 R 8	80000 400 E00000000000000000000000000000	0.094 144 144 144 144 163 163 163 163 163 163 163 163 163 163	0.127 0.029 0.049 0.009 0.010 0.010 0.010 0.039	0.000 0.000	0.88 0.05 0.05 0.05 0.05 0.05 0.05 0.05	841 2 00 3	3 0 1 9 8	3 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 4 4 7 1 1	88 c 88888888-	1 22 1 2 1 2 7
	Electrics hock. Electrics thock. Homicide, frearms Homicide, outting instruments.	9	10	3161	080	029	96.0		-1-44	63	00 67	64-	122	

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	122	69	2	654 2577 2577 320 320 320 320 320 100 141 123 22	2,617
22	306		4	984 724 842 124 123 123 123 123 123 123 123 123 123 123	4,070
Interpretation Inte	Total, external causes	A. 1 V. It-defined uncourses. 179 Ill-defined organic diseases 180 Sudden death. 181 Ill-defined or unspecified. 2 Marsamus (1 to 69 years). 3 Forei-operative shock. 4 Unknown cause.	Total ill-defined diseases	I. General diseases II. Diseases of nervous system and organs of special sense. III. Diseases of nervous system and organs of special sense. III. Diseases of recitation by system IV. Diseases of respiratory system V. Diseases of respiratory system VII. On buengreal diseases of gentro-mrary system VII. Diseases of skin and organs of locomordon VII. Diseases of hones and organs of locomordon X. Malformations. X. Malformations. X. Benlify misnoy XIII. Systematemases XIV. IIdefined diseases	Total, all causes

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to

Clas- sifica- tion No.				January.	.:	Fe	February.			March.	و		April.			M	May.			June.	
No.	Cause of death.	Total deaths year		White. Colored.	lored.	White.	e. Cole	Colored.			White. Colored.		te.	White. Colored.		hite.	White. Colored.		White.		Colored.
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10040000112212212222222222222222	Typhold fever. Typhold fever. Relapsing fever. Relapsing fever. Malaria Massles Scarlet fever. Diphtheria and croup. Diphtheria and croup. Diphtheria and croup. Millar fever. Millar fever. Millar fever. Ty ellow fever. Ty ellow fever. Thore to some the control of the control	64 0 42828	30 1 3 1	2	4 2 2	11100		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 3 1	2 2 2		α :- :: : : : : : : : : : : : : : : : :				1 8 9	8	

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Table 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

				Jan	January.		Fel	February.	у.		March.	ch.		-4	April.			Mg	May.			June.	,
Clas- sifica- tion	Cause of death.	Total deaths year		hite.	White. Colored. White. Colored.	bed.	Vhite	Col.	ored.		ite.	White. Colored.	1 7	White. Colored.	- CO	ored		White. Colored.	Colo	red.	Whi	White. Colored.	olore
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	Exoputhalmic goitre Addison's diseases Addison's diseases Anteniam Anteniam Other general diseases: 1. Addosis. 3. Purputa homorinagida Anteniam An	27 27 27 27 20 10 3 3 4 4 4		, m				1 2 1 1		1 2				-0 0				- - -	 - 		2	м н н	
	Total general diseases	1,634	37	46	34	27 5.	51 44	30	25	28	54	82	47	47 4	45 32	27	39	37	18	18	30	04	18 16
	11. Discusses of nerrous system and organs of special series. Memingtitis optidentic Memingtitis spidientic Memingtitis spidientic Loconnotacatashin Loconn	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 - 1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	1 2 2 1	co co co	1 0 101 1 121 0				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H-	10 0		1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 1	7 - 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 1	1	m - 1 - 1 m		1 2 2 1 10

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<u> </u>	35	82 7 8	9	11 18 23 33 11 11 11 11 11 11 11 11 11 11 11 11
2 1121122 2 2	737	1584 777 777 20 20 27 27 1	1,173	1221 1571 1572 158 403 1572 158 158 158 158 158 158 158 158 158 158
70 Convulsions (nonpurerperal), 5 years and over 71 Convulsions, uniter 5 years 72 Convulsions, uniter 5 years 73 Nourilis 74 Caranetomy. 75 Epilosy, traumatic 75 Epilosy, traumatic 76 Maturingomy schorea 76 Jacksonian epilosy 76 Jacksonian epilosy 76 Overante Prain disasse 77 Overante Prain disasse 78 Overante Prain disasse 79 Tumor of brain 99 Tumor of brain 90 Tumor of brain 91 Tumor of brain 91 Contractions 92 Contractions 93 Contractions 94 Contractions 95 Contractions 96 Contractions 96 Contractions 97 Contractions	Total diseases of nervous system and organs of special sense III. Diseases of circulatory system.	Pericarditis condensity of parameters and parameters of pa	Total diseases of circulatory systemIV. Diseases of respiratory system.	Diseases of Laryngea is Hyperthyr Broachitis, Broachitis, Broachitis, Broachitis, Preumonia Preumonia Preumonia Preumonia Preumonia Preumonia Preumonia Prumonia Prumonary Pulmonary Pulmonary
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TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

100		Total		January.	ry.	_	Febr	February.		~	March.	د		April.	; ;			May.		_	5	June.	
sifica-	Cause of death.	deaths	1.	te.	White. Colored.		hite.	White. Colored.		White	Cc.	White. Colored.		White. Colored.	olor		White. Colored.	Col	ored		White.	Colored	ored.
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8	IV. Diseases of respiratory system—Continued. Asthma, bronchial	œ		:										-								::	
86	Pulmonary emphysema. Pulmonary abscess. Pulmonary hemorrhage.	12	- :	-	61	- :		-			:			-		::	- 67	2			2		
	Total diseases of respiratory system	767	36	38	35 21	1 30	53	53	81	18	34 27	7 18	13	13	17	11	20 1	16 17	13	128	-	-	4
	V. Diseases of digestive system.			-	_	_																	
8	Parotitis. Riggs disease.				::	#		-	ii	::	::					H	::	<u>: :</u>	<u>: :</u>	<u>::</u>			
9	Retropharyngeal abscess	H 44		Ħ	H	::			Ħ	: : : :						! !	: :	<u> </u>	<u>: :</u>	<u>: :</u>			
101	Stricture of esophagus.	22	.23	: :	++	67	!!		·	27	: -	:			-	:	: 67	<u>: :</u>	<u>:::</u> -				
200	Gastritis Indigestion	122		 	: :	:::		İ		<u>:</u>	: :`	:::	: !			010	: :_		: 5	- "	.00	2	-
255	Diarrhea, etc., under 2 years Diarrhea, etc., 2 years and over	89	101		4	7.01	! !		4	1 :	60		7	161	, ;	, _	101			<u>' : :</u>			-
202		47			<u>: :</u>	::		2			: 2	-:-	-	60	Ť	÷	÷			: 60	-	67	-
38	Appendictors	44.	-	· ·	H	::	-		Ť	:		: :				T	- :		-:-	- :		-	
9	Obstruction of bowels Other disease of intestines:	41	-	67		67	67			-	7		es		÷	÷	:	<u>:</u>	-		es	<u>:</u>	-
-	1. Absess, rectal. 2. Automotoxication intestinal	-67									-	-:-			ii	H	::	∺	<u> </u>		<u> </u>	::	11
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	5. Stenosis of rectum. Atrophy of liver, acute vellow		-							H	::				Ħ	++	::			#		!!	::
32	Hydatid tumor of liver. Cirrhosis of liver	40	7	11	+	:-	-		Ħ	:	: 2	11	4		Ħ	÷	:::	:-	::	:07	!!	-	:-
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Pertionalis Sulphreno usecess Funcreatitis Total diseases of digestive system	VI. Nonvenereal diseases of genito-urinary system. Nephritis, acute. Nephritis, chronio.	Chylurd classes of kidneys and adnexa: 1. Pydromephrosis: Renal calculations Renal calculations (Serial calculations)	Diseases of urethra: 1. Perineal fistula. 2. Urethra stricture. 2. Urethra stricture. 1. A befors. 1. Therefore and the stricture. 1. A befors. 1. A befors.	2. Hyetrophy Phiegmon scroti Uterine hemorrhage (nonpuerperal). Uterine fibrodis. Other diseases of uterus:	1. Pelvic abocess. 2. Prolapsed uterns. Ovarian cysts. Other diseases of fermine genttal organs: 1. Ovarian abseess.	Idiseases of genito-urinary system.	Acidents of preparations of the Acidents of pregnancy: 1. Abortion 2. Ectopic pregnancy 3. Vomiting	Puepreal hemorrhage: 1. Adherent placents. 2. Placents previs. 2. Pet partum hemorrhage. Other accidents of fajor:	2. Labor, prolonged. 3. Labor, prolonged. 4. Rupture of uterns. Puerperal peritomitis Puerperal applicama. Puerperal applicama. Puerperal applicama.
117 Peri ontis Subpirontis also Paneratis Paneratiis Paneratiis Total diseases of digestive system	VI. Nomenereal diseases of genito-urinary system. 119 Nephritis, acute. 120 Nephritis, chronic.		Disc	127 Priegmon scrott. 128 Uterine hemorrhage (nonpuerperal). 130 Uterine fibrods. 131 Other diseases of uterus:		Pyosalpinx. Total nonvenereal diseases of genito-urinary system.	Accidents of p 1. Abortic 2. Ectopic 3. Vomitin	35 Pureprent hemorrhage: 1. Adherent placents. 2. Placents previs. 3. Post partum hemorrhage. 136 Other accidents of fayor.	1. Casarean section: 2. Labor, profonged. 3. Permeum, laeration of. 4. Rupture of uterus 137 Puerperal peritonitis. 138 Puerperal enthema. 139 Puerperal embolism.

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

1				Jann	January.		E.	February.	ary.		M	March.			Ψ	April.			May.		_		June.	
Clas- sifica-	Cause of death.	Total deaths year		ite.	Colo	White, Colored.	Whi	te.	White, Colored, White, Colored, White, Colored.		'hite.	Col	ored.	E	hite.	Colo	red.		White. Colored.	olor		White, Colored	e.	olor
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041	VII. The puerperal system—Continued. Puerperal insanity Puerperal diseases of breast	-		-:								_ ; ;												
	Total the puerperal state	59		9	1	60			4	:	m				9		70		2		4	:1	-	
	VIII. Disesaes of skin and cellular tissue.	8				c			- c	6		co	61		_		-	-	-	-	-	- :		-:
143	Gangrene of extremities. Gangrene of penis. Carbuncle. A bseess of medissdnum.	N			Tiii				· · · · ·	<u>::::</u>		_:::	- : : :				: : :			- -			111	
	Cellulitis, cervical. Other disease of skin and cellular tissue: 1. Eczema 2. Pemphigus.	~																						
	3. Ulcer of foot	32				2			4	67					1			-	-	-	-			
	IX. Diseases of bones and organs of locomotion.							1										Ī		<u> </u>			_	
	Diseases of bones: 1. Mastodius: 2. Ostoomyelitis 2. Linected antrum. Arthritis. Arthritis. Burgits and Amputations.	H4H70 S2																	-			:::-::		
	Total diseases of bones and organs of locomotion	13	-	-	T						;		-					:	-		-	-		
-	Congenital malformations: 1. Cleft palate. 2. Il ydroephalus. 3. Hydronephrosis. 4. Hydronephrosis. 5. Microcephalus. 6. Open foramen ovale.	527777				60		- : : : :			- : : : : : 			2 -				67						

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7. Pyloricstenosis. 8. Spina bifida. Total malformations. 36 2 1 2 4	151 Congenital debility, itelens, etc.: Atrophy, infantie 2 2 3 4 2 Icterus neonatorum 3 4 3 Insufition (under 1 year) 34 4 4 Marsams (under 1 year) 34 4 5 Prematurity 3 4 4 5 Prematurity 3 4 6 Ashevita sep eleuliar to early infancy; 3 4 7 Asphy, an eonatorum 3 4 8 Early injury during 6 6 2 9 Hemorrhage of lowy born 1 1 Ashapphilia neonatorum 2 1 Ashapphilia neonatorum 2 2 Ashapphilia neonatorum 3 3 Ashapphilia neonatorum 3 4 Ashapphilia neonatorum 3 5 Ashapphilia neonatorum 3 6 Bandoutie 6 6 9 Malposition 1 1 10 Meirem 2 3 11 Sepsis, neonatorum 3 12 Sepsis, neonatorum 3 13 Exposure 3 5 14 Ashapphilia neonatorum 3 15 Ashapphilia neonatorum 3 16 Ashapphilia neonatorum 3 17 Ashapphilia neonatorum 3 18 Exposure 3 4 19 Ashapphilia neonatorum 3 10 Ashapphilia neonatorum 3 11 Ashapphilia neonatorum 3 12 Ashapphilia neonatorum 3 13 Ashapphilia neonatorum 3 14 Ashapphilia neonatorum 3 15 Ashapphilia neonatorum 3 16 Ashapphilia neonatorum 3 17 Ashapphilia neonatorum 3 18 Ashapphilia neonato	Total early infancy 306 7 4	154 Old age. XII. Senitity. 126 4 6	Stucide by poison:

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

			.,	January.	ary.		Fel	February.			Ma	March.			April.			×	May.			June.	e.
Clas- sifica- tion	Cause of death.	Total deaths year		eż.	White, Colored.		Vhite	White. Colored.	lored		White. Colored.	Colo	red.	Whit	White. Colored.	olored		White, Colored.	Colc	red.		White. Colored.	Colo
ó		.7161	M.	E.	χ.	F.	M. F.	2	된	, M	ᅜ	M.	[iz.	, K	E.	M. F.	, K	E.	ķ	ᄄ	×.	E.	Ä.
1	XIII. External causes—Continued.																						
166	Conflagration. Burns and scalds. A book and scalds.	9 8	-	-		-		<u> </u>		-		- !	-	Ħ				<u> </u>		-	-	:-	
<u>c</u>	1. Asphyxation in bed. 2. Carbon monoxide.	co 63			::				::	-	::		Ħ	-	#	$^{++}$	<u> </u>		<u> </u>	<u> </u>	::		
_	3. Ether narcosis. 4. Illuminating gas.	2 48		-	H	11		::	::-	:		-		e -		! !					- :	-	
120	Drowning, accidental	81-	-	::	: : : :			<u> </u>	1 :	1		1	1		÷	::	: :	::	<u>:</u>		<u> </u>		
	Incised wound, femoral artery, accidental	-1-1			::-	::-				-	-			67		: : :	67	: : :			: :-	. : ₹	: :-
173	Injured in mine Elevator accident	4							::			11		H	H	: -	<u>::</u>	<u>;;</u>		11	<u> </u>	::	
_	Injured by machinery				1		-	1		-		::		ii	::	::	<u>: :</u>	: :	<u> </u>	::	-	: :	
175	Traumatism by vehicles, railways, etc.	23					- 5	2			-		- :	4		-:		- :			63	- 1	
	2. Bicycle.					-	-	-	: :					ii		: :		::	<u> </u>		: :		-
	Railroad, steam	20		:	-	-1				-	:			- :	Ħ	-::		:-	7	: :	-	 ≈	
	6. Struck by moving crane. 7. Through from the fruick	- 12										-		-		-				: ;			
	8. Vehicles, injured by	12-0	-	<u> </u>	-				:				T	-		:	-	:		• :	-	:	
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	Starvation. Frost bite	-		: :	::	::	-	:-	::	<u>! !</u>						::	H	::	<u> </u>				
283	Sunstroke Lightning, struck by	3			::	: :	::	::	::	<u>! !</u>		1	Ħ	Ħ	H	: :	<u>: :</u>	::	<u> </u>		-		::
	Electric snock. Homicide, firearms.	16	-	::	:	:-	:-		: :					-	<u>:</u> ::	2	<u>: :</u>	: :	_				-

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Homicide, other forms: 2. Assurit. 2. Assurit. 2. Assurit. 3. Assurit. 3. Assurit. 4. Strack of the strack of the	Total external causes	A.V., titudefined assess. Midefined organic diseases. Sindean death. Illefamed or unspecified: Illefamed or unspecified: 2. Mansamus (1 to 69 years). 4. Unknown cause. Total III-defined diseases.	SUMMARY.	1. Diseases of nervous system and organs of special 1.6	Total deaths, all causes
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TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death.

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Classifica- Cause of death.	Total deaths year	Whi	ě.	White, Colored.	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	ite.	White. Colored. White. Colored.	Q	/hite	Sol	red.	Whit	White. Colored.	lored		White, Colored.	Colore		White. Colored.	3)rec
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TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

Total Archite Colored White Colored Wh			r	July.		August.	ئ	Sep	September.	.;	õ	October.		Nov	November.		Ď	December.	er.
1917. M. F. M.		Total death year		e. Color	1	<u>ş</u>	lored.	1	Solo	red.	White	Color	1	Vhite.	Sol		White.	<u>ರ</u> -	Colored
sease—Continued. 3		1917.		K.	1 1	<u>'</u>		M.	1 1							[년	, K	F.	M. F.
oriths and over) 10	I. General diseases—Continued.																		
ord: A	Addison's disease: Leukemia, Anaemia Other general diseases:		· · · ·		-	-			<u> </u>	-	- 1						- 6	H 03 00 -	-
see mand organs of special sense. 1,634 31 32 28 37 46 29 25 23 35 32 29 30 35 43 36 29 37 36 25 25 25 25 25 25 25 2	Ĺ			ю	61			1 - 1 1										-	
stem and organs of special sense. 17	Total general diseases	1,634		8	!!	1 1	1 11		1 11	98	1 11	1 11	1 11	1 11	1 11	55	46	47	25 26
ve, muscular	II. Diseases of nervous system and organs of special sense.																		
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This section is a confidence of the property o	Total diseases of nervous system and organs of special sense	III. Diseases of circulatory system.	seas seas hror	Total diseases of circulatory system	IV. Diseases of respiratory system	sasal losses sam filan cute cute cute hould hould hould lobar, etc., under 1 year bronchial, etc. 1 year and over lobar, etc., 1 year and over lobar, etc., 1 year and over cutessition angestion collegistion collegistion collegistics colleg
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TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

				July.			Αn	August.		Sep	September.	er.		October.	er.		Nove	November.	.	-	December.	lber.
Clas- sifica-	Cause of death.	Total deaths year		te.	White. Colored.		/hite.	White. Colored.		White	. Co	lored.	White, Colored. White. Colored.	te. C	olore	d. W	White. Colored.	3	red.	Wh	White.	Colored
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86	IV. Discases of respiratory system—Continued. Pulmonary abseess. Pulmonary hemorrhage. Total diseases of respiratory system.	112 1167		· · · · ·	10 21	10 	44 co	E 2	4			7	24	-		8 17	13	21 1	10	38	12	19 27
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	Total diseases of digestive system	564	22	12	22	13	29	28 19	19 19	3 23	22	2 21	16	13	13	00	00	16	13	10	4	6	œ	=	10	
	VI. Nonvenereal diseases of genito-urinary system.					1																				
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122	Other diseases of kidneys and adnexia: 1. Hydromethrosis 9. Pydomethritis	-							: :-	: :-	ec						: :-			2						
123	Renal calculi Cystitis	25.62	-	-		• •			+	: 			:::		63						Ш	<u> </u>		-	::	
3	Diseases of uncounts. 2. Urethral stricture.	78		Ħ	Ħ	ii	H	H		\div	::		:-				<u>;;</u>	-::						-	::	
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132	Other diseases of female genital organs: 1. Ovarian abscess 2. Pyosalpinx.	103	İ	67	i	-	- ; ;		-	- : :				-			- !								::	
	Total nonvenereal diseases of genito-urinary system.	908	17	13	œ	14	16	14	9 1	16 14		15 17	-	19 21	17	7	6	23	19	4	12	23	21	8	=	
	VII. The puerperal system.				1					_	,		<u> </u>	1		_		_								
134	Accidents of pregnancy: 1. Aborton. 2. Ectopic pregnancy.	w 4.			Tİ	-:		-:-	- : :					-#										1 1	- :	
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136	2. Placenta practice. 3. Post partium hemorrhage. Other accidents of labor:	1014								: : :		: :-					1									
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137	4. Rupture of uterus. Puerperal peritonitis.										_		++		$\frac{11}{11}$	<u> </u>		<u> </u>	<u> </u>	Щ	Щ	Ш		<u> </u>		

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

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Clas- sifica-	Cause of death.	Total deaths year		is o	White. Colored.		Vhite.	Coloi	red.	Whi	te.	White. Colored. White. Colored.		White. Colored.	Colo	red.		White.	Colored.		White.	9	Colored
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	VII. The puerperal system-Continued.																						
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142	VIII. Discusse of skin and centuri ussue. Gangrene of extremities Gangrene of poils Gangrene of poils Absoess of mediastimm. Absoess of mediastimm.	8-0-0			-				- : : : :	- : : :			- 2			-::::	11111					61	
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	Total diseases of skin and cellular tissue.	32			-				-	-			60	-		-	-		:	-	:1	7	
146	LX. Discuss of longs and organs of locumotons. Discusses of homes: I. Mastodidis S. Osteomyellis: 3. Infected antrum. Americal organizations.					5 1	1 2														-		
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3. Hydronephrosis. 5. Mirocephalus. 6. Oper formen ovale. 7. Pyjoric stenosis. 8. Spina bifida. Total malformations.	XI. Early infancy. Congenital debility, Icterus, etc.: 2. Icterus neonatorum. 3. Inantition (under 1 year). 4. Marsamus (under 1 year). 5. Prematurity (under 1 year). 7. Prematurity (under 1 year). 7. Prematurity (under 1 year). 7. Alybytka neonatorum. 7. Alybytka neonatorum. 2. Alybetejasis.	Cassarian section Heamophila neonacorum Heamophila neonacorum Hemorrhage of new born Hemorrhage of new born Hemorrhage of new born Hemorrhage of new born Hemorrhage of new born Malpostion Sepsis, neonatorum Exposure	I otal early illiancy XII. Seni	XIII. Externa Suidde by poison: 1. Bichords of mercury. 2. Carbolic acid. Suidd acid. Illuminating gas. Illuminating provening Free arms. Jumping from high piaces Ortshing. Orbor means. Promaine poison.
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TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to months, and classified with reference to

				July.			A	August.			epter	September.		õ	October.		4	November.	nber		Ă	Сеш	December.
Clas- sifica- tion	Cause of death.	Total deaths year		ite.	White. Colored.	d b	Vhite	White. Colored.	ored	12	ite.	White. Colored.		White. Colored.	Col.	ored.		White. Colored.	Color		White, Colored.	9	olore
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	XIII. Etternal causes-Continued.																						
165	Other secidental poisoning: 1. Alcohol. 2. Bichloride of mercury.	-67-	-																				
99	3. Lye. 4. Dyolum Conflagration.		: : :							<u> </u>		<u> </u>			<u> </u>	<u> </u>	-	64.4		ii-		ec	
167	Burns and scalds. Absorption of deletroins gases (accidental): 1 Assurvatistion in hed	 	21	-				-		-	: :			- : - :			1	+ :		• ;		, =	-
	2. Carbon monoxide 3. Ether narcosis.	000							<u> </u>		::	ii	::					-			10		::-
69	4. Hummating gas. Drowning, accidental.	185	2	<u>: </u>	67			c1 -		101		-		,			-	1				::	
222	r He attus, accidental artery, accidental. Incised wound, femoral artery, accidental. Diving in shallow water, fracture of neck.					::"		<u>' ; ; ;</u>		ij	<u> </u>			la la			2	L.			- 6		
173	Falls Injured in mine	47	- :	0		<u>:</u>		::	<u> </u>	1	1 :	: :	: : : :	' <u>:</u> ! !	<u> </u>		1	• :		i			٠.
4.	Elevator accident	₩					- :	-				-											
175	Traumatism by vehicles, railways, etc.: 1 Autombile	53	4				10	44		ಣ		က					2	-	63	-	-	81	
_	2. Bicycle.			:		-			-				: :	-	-			: :			Ħ	::	
	4. Railroad stream	13	-	Ť					-		-	01-	:	4			-	: :	-	İ	-	<u> </u>	-
	6. Struck by success of a struck by Thrown from first fruits	67-											+		-::		::	::		i	-		
170	8. Vehicles, injured by.	0	6		:	;	:	-	•					-									
1 9	Thrown from horse.	-																::		Ti	- :		ii
200	Frost bite Sunstroke	161-			-	:=1	12 2	63										::		ii	Ħ	$\ddot{\parallel}$	

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TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with reference to ages of death.

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TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with TABLE 1c.—Showing deaths in the District of race, sex, and causes of death—Continued.

1		Und	Under 1 year.	ar.		1 year.	H		2 3	2 years.			3 years.	rs.		4 3	4 years.			Tot	al un	der !	Total under 5 years.	s.	1	
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HAHAO AHO	I. General disease—Continued. Exophthalmic golter Addison's disease. Leukemin Anemin Other general diseases: 2. Hemophilia (anoths and over). 3. Purpura hemorfriagida. 4. Alcoholism. Lead poisoning, elvenic. Lead poisoning, elvenic. Cother elronic occupational poisoning.									S													::-a &-a :::-	1 2	::-0 0-4:::-	
; H	Total, general diseases. II. Diseases of nervous system and organs of special sense.	19	18 16	18	9	12	17	0	15	4	2	20	-	10	00	4	41	[2]	35	39	45	34	42	29	153	
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00003	2. Myentus, diffuses 3. Paralysis, aditant 4. Paralysis, aditant 5. Poliomyelitis 6. Selecosts, spinal Cerebra Inemorrhage Cerebra Inemorrhage Cerebra Insurantial field Paralysis, unqualified Paralysis, peneral, of the Insano	4																	1 4							

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Epilepsy Convulsions, non-puerperal (5 ye Convulsions, tunder 5 years). Chores Convulsions (under 5 years). Chores Chore C		Perjearditis inder 60 years) Endo and myocarditis (under 60 years) Organic heart disease. Angria peetoriis Aneriism Arterioseleresis. Embolism and thrombosis Phibotiis Cavrinio fibrillation. Cavrinio fibrillation. Nesal hemorrhage.		Diseases of nasal fossae Lavygeat issam Hyerthyroidiam Bronchiis, action Bronchiis, action Bronchiis, shorthy Bronchiis, ferroin Freumonia, bronchial (under 1 year) Freumonia, bronchial (under 1 year) Freumonia, lobar, etc. (under 1 year)
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Table 1c.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with Table 1c.—Showing deaths in the District of Table 10 and Courses of death—Continued.

		Cn	Under 1 year.	year.		13	1 year.			2 years.	rs.		3.5	3 years.			4 years.	Irs.			Total under 5 years.	nude	rēy	ars.	
Clas- sifica- tion	Cause of death.	¥.		೮		₩.		c.	W.		ర		.≅		ç.	=	W.	ల		×.		ပ	-	Total by race.	pà.
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	Total diseases of respiratory system	12	18	88	30	2	8 13	oc	5	8	ro	5	7	67	1 3		4	77	-	36	33.1	51	44 61	8	156
	V. Diseases of digestive system.		_	_										_				_	-		_				
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106510	Diarrhea, etc. (under 2 years). Diarrhea, etc. (2 years and over). Ankylostomiasis. Intestinal parasites.	54	8 : :	55	44	10	3 111	9	-		C1	- : :	[6]					Ш	T	300 : :	::	2 m			19 ::-
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110	Obstruction of bowels Other diseases of intestines: 1. Absess, recent 2. Autointox of the stinal	-	.01		<u> </u>			-		- :	-						-			61	4 :	1 2	0		67 = 1
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G. Hepatic abscess (Thologystits) Disease of spheric Perfordits. Supplied its. Fungualitis. Thurstell its.	VI. A Nephr Nephr Chylu	— но	Disc	1. Abserved 2. Hypertrophy Phlegmon stroti Uterine hemorrhage (nonpuerperal) Other Algesses dynamics		1. Ovarian absess 2. Pyosalpinx. Total nonvenereal diseases of genito-urinary system	VII. The puerperal state. Accidents of pregnancy:			
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TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with reserve to ages of decedents, and classified with

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1	VII. The puerperal state-Continued.																									
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	Total, the puerperal state														:				:							
	VIII. Diseases of skin and cellular tissue.						_	_									-									-
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	Total diseases of skin and cellular tissue		:	-								:					:					:			: 1	-#
146 148 149	IX. Diseases of bones and organs of locomotion. Diseases of bones: 2. Diseases of an includitis. 2. Osteomy elitis. 3. Indicated antirum. Arthritis. Amputations.																	-				-				-
	Total diseases of bones and organs of locomo- tion.																:	=	- :	:	i	-		- :	-:	- :

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		XI. Bariy infancy. Atrophy, Infantile. Atrophy, Infantile. Infantien (under 1 year). Infantien (under 1 year). Prematurity. Prematurity. Prematurity answers peculiar to early infancy: Asphyxia neonatorum. Atelectasis. Atelecta			
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X. Matjormations: mations: alus urosis ny of liver ny of liver en ovale tosis		incy.	÷	XII. Senility, XIII. External causes.	
form:	S	XI. Early infancy infancy infancy infantile. Infantile.		XII. Senility,	ry .
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X. Mattorm tal malformations: left palate. ydrocephalus. ydrocephalus. ydrocephalus. pretrocphy of liver (crocephalus) pen foramen ovale. ydrotie stenosis.	malf	billity, in the control of the contr	arly	×	ride leac ling l
X. Mathors Cleft palate. Cleft palate. Hydrorephasis. Hydrorephasis. Hydrorephasis. Hydrorephasis. Hypertophy of liver. Mercoephalias. Departophy of liver. Pryente stenosis.	Total, malformations	XI. Barty infancy. Atrophy, infantile. Atrophy, infantile. Infanti	Total, early infancy		ide by poison: Bichloride of mercury. Carbolicacid dide: Iluminating gas. Edanging Drowning Firerum. Juthing instruments Juthing instruments Juthing instruments Turahing Other means.
Congential malformations: 1. Gleft public and the Cleft public and the Cleft public and the Cleft public and the Cleft public and the Cleft public and the Cleft public and the Cleft public steneor or and the Cleft public steneors. 8. Spins bilda s.	To	genitt 3. Icht 3. Icht 5. Icht 5. Icht 7. Icht 6. Hee 6. H	Tot	3ge -	ide by poison: 1. Bichloride of mercury. 2. Carbolicacid. 2. Carbolicacid. 2. Carbolicacid. Illuminating gas. Hanging. Priegram. Cutching instruments. Cutching irom high places. Crushing. Other means.
Con		XI. Bariy injunctoractical debility, icterus, etc 1. Attophy, infantler. 2. Icteris nonatorum. 2. Interis nonatorum. 4. Marsamus (under 1 year). 5. Prematurity. 6. Marsamus (under 1 year). 7. Attophysia neonatorum. 7. Attophysia neonatorum. 7. Hemorrhage of new born. 7. Hemorrhage of new born. 7. Hemorrhage of new born. 7. Hemorrhage of new born. 8. Labor, difficult. 10. Mcdens. 11. Sopsis neonatorum. 11. Sopsis neonatorum. 12. Attophysia new born. 13. Hemorrhage of new born. 14. Hemorrhage of new born. 15. Hemorrhage of new born. 16. Hemorrhage of new born. 17. Hemorrhage of new born. 18. Hemorrhage of new born. 18. Hemorrhage of new born. 19. Malposition. 10. Mcdens. 10. Mcdens. Exposure.		Old age	Sulcide by poison: 1. Bichloride of 2. Carbolicacides of Muminating of Hanging
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TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with reserve to ages of decedents, and classified with reserve to age of decedents.

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XIII. External causes—Continued	Continued.																							
Ptomaine poison Other accidental poisoning:		:		:		:	-	-		:	:	:	:	:			-						•	
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ConflagrationBurns and scalds				1:	-	: -	-		2 2		-	7	-	-	-	<u></u>	::	: :		4		100	9	
Absorption of deleterious gases (accidental)	accidental):	-:	-	:	:	:	-1	- :		-		Ė	÷		-	÷	÷	- :	-	_	_		_	_
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4. Illuminating gas.		-		:		: :							: :		::	::	::			Ц		! !	<u>::</u>	: :
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Incised wound, femoral artery (accidental. Diving in shallow water, fracture of neck.	e of neck	H		::		::			: :			ii	ii		::		::	-	11	Ш				<u> </u>
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Elevator accident							-				İ		:	:	÷	÷	:	-	-			:	:	<u>:</u>
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Electric shock. Electric s	Total, external causesXIV. Ill-defined diseases.	Ill-defined organic diseases Sorden dearh. Ill-defined or unspecified: I. Sabernia. 3. Paste operative shock. 4. Unknown eause.	Total, ill-defined diseases.	I. General diseases II. Diseases of narvous system and organs of special sense. III. Diseases of narvous system III. Diseases of circulatory system IV. Diseases of circulatory system IV. Diseases of circulatory system IV. Diseases of disease of gentlo-nirary system IV. Monyonereal diseases of gentlo-nirary system IV. Monyonereal diseases of gentlo-nirary system IV. Diseases of bone and cellular tissue. IV. Diseases of bone and cellular tissue. IV. Barly infano. IV. Sarly infano. IV. Sarly infano. IV. Sarly infano. IV. Sarly infano. IV. Sarly infano. IV. Sarly infano. IV. Sarly infano.	Total, all causes
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TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with reference to ages of decedents, and classified with

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Other Blokers Syphiles Syphiles Conger Conger Conger Conger of D. Lipw. 2. Lip. 2. Lipw. 3. Mount B. F. Palas 5. Tong 6. Tons Cancer of Live 1. Live 1. Live	2. Esophagus 3. Sformen Cancer of intestines Cancer of Cittoris 2. Ovary 2. Ovary Cancer of Intens Cancer of	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	16. Neek. 16. Panereas. 17. Pelvis. 18. Penis. 19. Prestate. 20. Shoulder. 21. Shind. 22. Throat. 23. Throat. 24. Viseera. 24. Viseera. 25. Thurost. normalignant. 26. Read of the control
38 38 37 39 39	48 84		474

TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents and classified with reference to ages of decedents and classified with reference to race, sex, and causes of death—Continued.

		- 5 ye	5 to 9 years.		\$	•	20 t ye;	20 to 29 years.	e	30 to 39 years.		40 t	40 to 49 years.		50 t	50 to 59 years.		98 y	60 to 69 years.	_	5 ×	70 to 79 years.		8 %	80 to 89 years.		90 years and over.	ears a	and
Clas- sifica- tion	Cause of death.	ă.	-	C.	W.	c.	×.	c.	¥			W.	c.		W.	c.	1 .	¥.		°.	`.	υ.		W.		ບໍ	`.		c.
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H	I. General diseases-Continued.																-												
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ō	Other general discases: 1. Acidosis. 2. Hemophilia (3 months		:				:	÷				-	_:_	-		:	-	- :-	-	÷	+	:					-		
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Ξ.	 Diseases of nervous system and organs of special sense. 						1.																						
SEEE	Cercbral absess. Meningitis, epidemic Meningitis, simple. Locomotor ataxia. Other diseases of spinal cord:	1 1 1 1 3 3 1 1 1	2 : :	<u> </u>		5	2 + 4 - 1 - 1 - 1		: 00		::	1 1 1	::	- : : :	1 : : :	1 :: 2		::-:		11111			1111			1111			
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TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with reference to ages of decedents, and classified with arranged.

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VIII. Disease of skin and cellular lister. Gangene of extramities. Gangene of peris. Gangene of peris. Gangene of peris. Gallitis, cervical. Lister.	cellular tissue. IX. Diseases of bones and organs of locomotion.	Diseases of bones: 1. Mastoddus: 2. Asstoddus: 3. Infected antum Arthritis Barthus	Total diseases of bones and organs of locomotion	X. Malformations.	Congenical malformations: 1. Cleft palate. 2. Hydroxephanis: 4. Hydroxephanis: 5. Meroxephanis: 6. Open foremen ovale. 7. Pydrox stenosis. 8. Spins bifide.	Total, malformations	1 Compart Montey. 1 Loury Montey. 2 Leteris neomatorum. 2 Leteris neomatorum. 4 Mansannis (under 1 year). 6 Mansannis (under 1 year).
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TABLE 1C.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to ages of decedents, and classified with reference to ages of decedents, and classified with

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	Cause of death.		XIII. External causes—Contd.	Stuffle. Fracture of spine, plunging horse Other external violence:	1. Abscess of liver, trau- matic, accidental	3. Punctured orbit, accident 4. Rupture of bladder, acci-	dent. Rupture of liver, accident	Total, external causes	XIV. Ill-defined diseases.	Ill-defined organic diseases	lenned or unspecified: 1. Ischemia	Total, ill-defined diseases .	ARY.	I. General diseases
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III. Diseases of circulatory	System	tem.	genito-urinary system	The puerperal state	Iular tissue.	organs of locomotion	Malformations	lity infancy	External causes 6 3 3	Ill-defined diseases	Total, all causes
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III.		. 12	٧.		2		×	XI.	CIII.	XIV. I	To

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to marital relations and to nativity, and class:

					Marital relations.	l relat	ions.							ž	Nativity.				
	Cause of death.	Married.	ied.		Single.	===	Widow or widower.		Unknown.	wn.	Dist	District of Columbia.		Other parts of the United States.		Foreign.		Unknown.	own.
Institution		W. F.	M. F.	W.	C. M. F.	, K	W. C. M. F. M.	. E	W. W.	C. M. F.	W. W.	C. M. F.	W. W.	C. W. F.	W. W. F.		C. M. F. M	W. M. F.	C. M. F.
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TABLE 1d.—Showing deaths in the District of Columbia during the colendar year 1917, arranged with reference to marital relations and to nativity, and causes of death—Continued.

			M	arital re	Marital relations.							Nati	Nativity.			
Cause of death.	Жа	Married.	Single.	gle.	Widow or widower.	w or	Unkn	Unkno wn.	Dis	District of Columbia.		Other parts of the United States.	Fore	Foreign.	Um	Unknown.
	W.	c.	W.	c.	Α.		M	c.	W.	ů.	W.	c.	W.	 C	₩.	ပ်
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M.	M. F.
I. General diseases-Continued.													_			
46 Tumors, nonmalignant 47 Rheumatism, acute		1	.00	:-	:::			-			:00	.1.	::-			
	2		7	: :°	1 0					: :°	7 : 1		- 00			
Disortes Exophthalmic goiter. Addison's disease	9	,	· :		111								- :			
	. ×		. 6		3				:2	:°°	w w		:-			::
Other general diseases:			- 1-				_	-		_				_	:	_:
2. Hæmophilia (3 months and over) 3. Purpura hemorrhades			1.2										- ::		::	
Alcoholism. Lead poisoning, chronic	4	° :	8	T	=					e :	: :	2 ::	: :' - :	: :	N :	: 7
Other chronic occupational poisoning.	111111111111111111111111111111111111111								:-						::	
Total, general diseases	238 192	147 125	198 167	148 140	59 126	28 64		:	171 160	131 126	244 273	171 160 131 126 244 273 184 200 80 48	8 48	-	:	9
II. Diseases of nervous system and organs of special sense.	al sense.							_								
Cerebral abseess. Meningitis, epidemic Mamingitis, simple Locement staxia	20.0		0,0000	16:		- 0			4	2	2000	-4-6	::-		7	
Other diseases of spinal cord: 1. Atrophy, progressive muscular. 2. Myellis, diffuse. 3. Porelyers actions	1 1 1 1		-:		- 63	-		::			7 : 7	-::	:-	::	::	

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4. Permyste, hurbar 6. Seferovits, spinal Cerebral bencorts, spinal Cerebral softenine Paralysis, general Correlation of the insure Paralysis, general Correlation of the insure Paralysis, general Correlation of the insure Paralysis, general Correlations, under 5 years and over Correlations, under 5 years Corr	Otitis media. Total diseases of nervous system and organs of special sense.	III. Diseases of the circulatory system.	Perfoadtis 2 1 1 1 Defoorabilitis and myocarditis (under 60 years) 22 1 2 1 3 1 5 5 5 5 8 1 5 5 5 5 5 5 5 5 1 2 4 2 4 5 4 2 4 4 4 6 6 4 6 7 4 4 6 6 4 6 6 4 6 7 6 4 6 6 6 7 7 4 4 6 6 6 7	Total diseases of circulatory system224 85 110 81 82	IV. Diseases of respiratory system.	Diseases of masa fosses. Laryments insam. Laryments insam. Bronchitis, seute. Bronchitis, capillary.

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to marital relations and to nativity, and class of death—Continued.

1					Mar	ital re	Marital relations.	us.									Nati	Nativity.					
.oV	Cause of death.	Ma	Married.		Single.		Widw	Widow or widower.		Unknown.	lown		Distr	District of Columbia.		ther par of the United States.	Other parts of the United States.	E4	Foreign.	ri i	ď	Unknown.	wn.
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		M. F.	M.	F. M.	F. M.	E-	M. F.	×	F. M.	F4	M.	F. M.	[Ei	M.		M. F.	M. F.	K.	F. M.	<u>F4</u>	×	F.	M. F.
99 4 4 99 75 99 99 99 99 99 99 99 99 99 99 99 99 99	IV. Diseases of respiratory system—Continued. Bronchitis, chronical pression of the pression	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 6 1 15	23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	27.2 38.1 11.1 11.1 12.1 13.1 13.1 13.1 13.1 13	:27424	3 14 10 15 17 39 1 17 39	1:1:28:::::::::::::::::::::::::::::::::	64 18 18 18 18 18 18 18 18 18 18 18 18 18			7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2	3024	6 12 12 12 12 12 12 12 12 12 12 12 12 12	81 :12 :34 : :4 : :1 :3	1 1 2 8 1 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 : 2 : 5 : 1 : 2 : 2 : 2 : 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		::-::::::::::::::::::::::::::::::::::::		
	Pulmonary hemorrhage	97 44	91	8 8	60	1 7	32 76	1 2	38 ::	3 1	. 10	1 58	8 60	. 12g	70 124	95	117 74	4	25	: -	: 4	: -	1 4
99 100 101 103 103	Prooftlis Prooftlis Regrodienses Refrommenses Ref	40 1		24.8 4 96 12 12 12 12 12 12 12 12 12 12 12 12 12	33331	4-106	1 2 2 1 4	2				:::::::::::::::::::::::::::::::::::::	30 30 30 20 1	100120	0 1 1 4 4 5 4 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6	12000	1 :::::::::::::::::::::::::::::::::::::	1 80 1					-

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TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to marital relations and to nativity, and classified with reference to race, sex, and causes of death—Continued.

					×	farita	Marital relations	ions.									Nati	Nativity.				
'9N	Cause of death.	M	Married.		Sin	Single.	**	Widow or widower.	or er.	Uni	Unknown.	1	District of Columbia.	let of abia.	ō	Other parts of the United States.	arts e sd	Ā	Foreign.	i	Unk	Unknown.
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Classific		K	F. M.	1 1	M. F.	M. F.	M. F.		M. F.	M. F.		M. F.	M. F.	M. F.		M. F. M	M. F.	M. F.		M.	M. F.	M. F.
	VI. Nonvenereal diseases of genito-urinary systemContd.																					
132	Other diseases of female genital organs: Overlan abscess 2. Pyorah pinx	- ; ;	.: ::	0100	.63	::	1 1		::	: : :			:-	::1	::	-4	3.63					
	Total nonvenereal diseases of genito-urinary system 143	143	68 22	9	64 44	36	35 74	18	38 64	:	-	8	45 40	30	40 184 122 125 118	122 12	25 118	₹	36	:	4	1 8
-	VII, The puerperal state.															_						
134	Accidents of pregnancy: 1. Abortion. 2. Ectopic pregnancy. 3. Constitution.			77	8	_ ; ; ;	- : : :	:::	1 1 1	1 1 1	111	: : :	:	-:::	.63	2	2 ::	1 : :		1 1 1	1 1 1	
135						: :		- : :		- : :	: :	- ; ;	: :	- ; ;	- ; ;	:-	- 17		-::	: :	::	
136	2. Pascula pre 13. 2. Pascula pre 13. 2. Post partum hemorrhage. 3. Post partum famorrhage.								: :	: :	; ;		-			-	: :			; ;		
	1. Casajran Aceiton 2. Labor, prolonged 3. Perinaeum, laceration of			<u> </u>												~ :-			111			
137	4. Rupture of uterus Puerperal peritonitis Puermanal (anxioonia		- 72	: ;=							: :	-	7	: :		-	;= ;;			11	+	
138	Tuerperal nephritis Puerperal nephritis Puerperal embolism		127	9:		11		::	11	#	::	11	4 :	7	N :	m 01 -	4 :				1 1 1	111
9 =	Puerperal insanity	: :	: : - -	11		: :				: :							- 1					
	Total the puerperal state	:	23	22	4	:	6	:	:	:	:	1	H	:	:	16	22	:		:	:	:

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VIII. Diseases of skin and cellular tissue. 142 Gamerone of extremities. 143 Alexess of redistrium. 144 Alexess of mediatinum. 145 Other diseases of skin and cellular tissue. 2 Pemphass. 2 Pemphass. 3 Uleer of foot.	Total diseases of skin and cellular tissue	IX. Diseases of bones and organs of locomotion.	6 Diseases of bones: 1. Mastolditis 2. Osteomyelitis 2. Televal	And	Total diseases of bones and organs of locomotion	X. Malformations.	Congenital malformations: 1. Clift paint. 1. Clift paint. 2. Hothorophalus 4. Hypertrophy of liver. 5. Microcraphalus 7. Open Gramen ovale. 7. Prioris stenosis. 8. Spins blida.	Total malformations	XI. Early infancy.	Congenital debility, ictorus, etc.: 1. Arroby, Infantie. 2. Letus neonatorum. 3. Inantino (under 1 year). 4. Marasmus (under 1 year). 6. Prematurity.
1 11 11			146	147 148 149			150			151

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to marital relations and to nativity, and causes of death—Continued.

				~	Marital relations.	relation	us.							Nativity.	rity.				
	Cause of death.	Mar	Married.	Sir	Single.	Wid	Widow or widower.		Unknown.		District of Columbia.		Other parts of the United States.	parts ed ed	For	Foreign.	Ġ	Unknown.	wn.
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1	XI. Early infancy—Continued.																		
162	Other causes peculiar to early infancy: 1. Asphyka aeonatorum 2. Atelectasis 4. Caesarian section 5. Hearnophilia neonatorum 6. Hemorrhage of new born 7. Hemorrhage of new born 7. Hemorrhage of the born 9. Mathostion 10. Melena 11. Sepsis neonatorum Exnosure			100000000000000000000000000000000000000	24 : : : : : : : : : : : : : : : : : : :					-0.0-01 4-1-1	2	0. + 0							
	Total early infancy			93 72	69 72					88	89 68	2	33	-					
154	XII. Seniitiy.	16 8	1	6 5	-	15 42	5	:: ::			7	70	19 37	12 16	12 10	: 1	:	-	-
	XIII. External causes.														_				
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Den arms. Confident instruments. Confident instruments. Confident means. Other accelerate poisoning: 2. Bichloride of mercury. 3. Lye. Confidents scales. 3. Lye. Alsorption of defererious gases, accident. 1. Aspirytation in load. 2. Earbon monoxide. 2. Earbon monoxide. 2. Earbon monoxide. 2. Earbon monoxide. 2. Earbon monoxide. 3. Carbon monoxide. 3. Carbon monoxide. 3. Earbon monoxide. 3. Earbon monoxide. 3. Earbon monoxide. 3. Carbon monoxide. 4. Railcraft stream. 5. Railcraft stream. 5. Railcraft stream. 5. Railcraft stream. 6. Struck by moving cano. 7. Thrown from fire truck. 8. Vehicle, nilured by. 1. Attornobile. 3. Gaving in other struck by moving struck by moving struck by moving struck by moving struck by Electric shock. 1. Mandade, inearms. 4. Railcraft, struck by Electric shock. 1. Laboridon, criminal. 2. Assault. 4. Struck by audionobile. 2. Assault. 3. Stranglaston. 3. Stranglaston. 4. Struck by automobile. 5. Struck by audionobile. 5. Struck by struck by Electric shock. 4. Struck by sultonobile. 5. Struck by sultonobile. 6. Struck by sultonobile. 8. Struck by sultonobile. 8. Struck by sultonobile.
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TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1917, arranged with reference to marital relations and to nativity, and causes of death—Continued.

						M	rita	Marital relations.	tions										4	Nativity.	rity.					
*ALT	Cause of death.	8	Married.	d.		Single.	e e		Widow or widower.	Widow or widower.		Unknown.	JOWI	-	Dist	District of Columbia.	7.	Othe U	Other parts of the United States.	rts	124	Foreign.	d	Un	Unknown.	WD.
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	2. Legta execution (hanging). 3. Punctured orbit (secident). 4. Rupture of bladder (accident). 5. Rupture of liver (cause unknown). 6. Strangulation (accident).		- :::::	- : : : : : : : : : : : : : : : : : : :	::-	:::::						11111	:::::						1 : : : : : : : : : : : : : : : : : : :							
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Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological January.

			Co	mn	nuni	icab es.	ole					ar- eal ases					v	iol	enc	e.				
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Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion	Sunstrokes.	Accidents and negligence	Accidence and inch	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
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25	. W							ĩ.							4			ï			10	16)	24	2
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27	W C					-		2							1			1			7 9 3 10 7 7 6 16	13 10	23	i
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31	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		1					1 2			i	-	i .		1322212224113233541131153222221	i		1	1		1117	19) 11)	30-	$\left\{ egin{array}{c} 1 \\ 1 \\ 2 \\ 2 \end{array} ight.$
Total.	(11		3			1	2	17			2	3 4	3 2	7 6	61	4		16	5	1	316 161	437	696	200

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions.

JANUARY.

		Tempe	rature (e	xposed 1	bulb).			Direct win	ion of			
Mean barometer (actual).	Mean relative humidity.	Maximum.	Minimum,	Range.	Mean.	Mean wet bulb.	Mean dew point.	8 a. m.	8 p. m.	Total movement of wind.	Rainfall (inches).	Day of month.
29.98	76	42	24	18	33	30.6	26.5	sw	s	95	T.	
30.02	84	53	28	25	40	31.4	29.0	s	N	68	0	
29.78	96	45	32	13	38	38.0	37.5	SE	NW	89	. 44	
30.08	88	42	27	15	34	33. 4	31.5	SE	E	81	. 02	
29.65	98	50	38	12	44	45. 2	45.0	NE	sw	121	. 05	
30.08	50	47	36	11	42	32.8	22.5	NW	NW	305	0 .	
30.00	52	53	34	19	44	35. 2	24.0	SE	NW	154	0	
30.05	47	52	33	19	42	32.3	21.0	NW	S	138	0	
29, 64	68	57	37	20	47	38.2	33.0	S	NW	141	T.	
29.51	59	56	35	21	46	37.2	28.5	S	NW	199	T.	-
29, 84	54	35	16	19	26	20. 4	11.0	N	NW	355	0	
30.50	45	27	14	13	20	16.2	3.5	NW	SE	179	0	
30.46	74	35	24	11	30	27.4	23.0	s	NW	154	. 09	1
30.36	64	41	20	21	30	29.2	22.0	NW	NW	259	. 70	
30.74	66	23	17	8	20	16.8	9.5	N	N	177	.02	1
30.60	74	29	20	9	24	22.0	17.5	N	sw	130	T.	1
30.30	80	40	. 18	22	29	25.0	22.0	s	s	79	0	
29.84	72	51	26	25	38	29.2	24.0	sw	NW	190	0	
30.11	40	37	26	11	32	25.4	11.5	NW	N	234	0	1
30.10	70	44	22	22	33	28.2	23.0	NE	sw	79	0	1
29, 94	84	36	31	5	34	32.8	30.5	SE	s	109	. 46	1
29.80	74	59	31	28	45	40.6	35.5	sw	NW	296	.08	-
30.34	56	34	23	11	28	23.3	14.5	NE	SE	156	0	1:
30.16	78	39	28	11	34	30.4	27. 0	sw	NE	53	т.	1
29.94	62	45	28	17	36	29. 2	20.0	NW	w	155	.08	1
30.18	48	41	23	18	32	23.5	12.5	s	N	243	0	1
30.46	50	32	20	12	26	21.9	7.0	NW	NE	124	.05	1
30.26	78	52	24	28	38	30.7	27.5	w	E	63	.17	
29.96	90	39	35	4	37	36.4	34.5	SE	w	87	. 41	
29, 96	66	54	32	22	43	34.3	26. 5	w	N	169	0	1
29, 90	61	29	19	19	38	38.0	35. 5	0	SE	79	т.	

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological February.

			Co	mr di	nur seas	ica ses.	ble					Dia rhe disea	al ses					Vic	len	ce.				
							ılosis.					(dys tery cl ud	en- ex- ed).	ns).	ms).	tion.		igence.						i.
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Montpoitis enidemic.	mening sors character	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1{	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C						. 1								3 3 2						9 2 7 5 12	}	{) 1)
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4{	W.				. 1				-	1					3			2			4 7 3 11	····}	{	
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6	W.														1				1		14	{	{	3 2 1 1 1 2 1 3 3
7}	W.						- 3	2				1			3 4			2			8 6 4 8 12 2 7	}	{	1
8}	w.		::	:::	: :::									ï							8	:}	{	
}	w.		::	:::				1 .							3 1 1 2			ï			2	}	}	1
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2}	W.		:::				3 1.			:::	:::			:::	2 3 1 1 2		:::				10	{	}	1
3	W.	:::	:::	: ::				2 .			:::				1 2			1	i		10	{	}	
4	C. W.		:::				: .	2	::	:::					ï			i		:::	3 11	{	}	;
5	C.				-			4 .		•••	• • • •				1 1 2 1						11	{	}	
	C.							1							2						7 6	}	}	
.6	C.					-		1 1 2 1												i	11	::::}	{	
7	C.					:: :	-								3	i		1			9	}	{	
18	C.				::	::	:: -	i .							2						13 5 14	}	{	
19	C.		1			:: :									2 3 1 2 1 2 4 1			1			14	::::}	{	
20	C.	::	:	:	::	::	::	2 1 2 1		:::			::::	::	1			i	-		4 .3 9 8 2 10	::::}	{	
21	C.	1::		::			::	1		:::	:::			::	ï	-		::	1		8 2	}	{	
22	W.C.		:	:: .	1		::	- 4				· i	-	:::	1 1			1			10	}	{	
23	W. C.		:	::	::			1 2 1	• • •	:::				1			-				8	}	{	
24	{ W.			::	::			i	• • •						. 2			1	-		7	}	{	
25	{ W.	1:											-		. 3						8		}	
26	W.		-					1 1						. i	3				. i	i	15		}	
27	W.		- -					1					-		. 3			i i	1		9		}	
28	W.							1							. 2 . 1 . 3 . 3 . 3 . 3 . 2 . 2		: ::		i i	-	4 8 4 7 4 8 8 4 15 4 9 7 5 5 4	{	}	
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year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

		Temper	rature (e:	xposed b	oulb).			Direct	ion of			
Mean barometer (actual).	Mean relative humidity.	Maximum.	Minimum.	Range.	Mean.	Mean wet bulb.	Mean dew point.	8 a. m.	8 p. m.	Total movement of wind.	Rainfall (inches).	Day of month.
29.62	70	51	28	23	40	38. 9	32. 5	s	NW	346	0.07	
29.95	44	28	11	17	20	13.0	- 0.5	NW	NW	474	T.	:
20.10	38	24	5	19	14	9.7	- 6.0	NW	sw	396	0	1
29.50	46	42	12	30	27	20.4	14.0	sw	s	248	.10	
29, 82	46	13	8	10	8	4.7	- 8.0	NW	NW	609	т.	
30. 22	52	34	10	24	22	17.2	7.5	NW	w	221	0	
30.06	66	47	19	28	33	29.6	23.0	SE	sw	95	0	:
29.77	66	49	34	15	42	35. 5	29.5	SE	S	99	0	:
29.60	64	41	15	26	28	25.6	16.5	NW	NW	403	T.	
30.13	31	33	13	20	23	16.0	- 3.0	sw	NW	274	c	10
30.34	42	28	14	14	21	16.9	3.5	NW	NW	441	0	11
30. 59	43	. 19	7	12	13	8.4	- 5.5	NW	NW	289	0	12
30.46	46	27	2	25	14	11.4	- 1.0	N	s	142	0	1:
30.10	50	48	27	21	38	28.3	18.5	sw	sw	71	0	1
29. 71	90	35	28	7	32	32.1	50.5	s	N	105	. 57	13
29, 71	64	42	27	15	34	30.8	21.5	sw	NW	132	0	10
29, 90	60	57	30	27	44	36.2	28.5	SE	SE	108	0	1
30.06	78	54	35	19	44	39.4	35. 5	sw	N	59	0	15
30.24	65	46	33	13	40	31.4	25. 5	E	E	181	.01	1
29. 96	98	49	33	16	41	40.5	40.0	sw	NW	84	. 27	2
30.19	70	42	31	11	36	30.5	25, 5	s	E	99	0	2
30.25	52	50	32	18	41	33.6	24.5	NW	N	232	т.	2
30.08	83	48	32	16	40	35 7	33.0	SE	SE	147	. 28	2
29, 94	62	56	38	18	47	39. 3	31.5	N	NW	197	.09	2
30.38	70	45	29	16	37	31.4	26.0	N	SE	153	0	2
29, 88	74	66	35	31	50	48.0	44.5	s	sw	239	0	2
29, 88	64	62	41	21	52	47.2	39.0	N	N	181	.67	2
30, 37	94	41	34	7	38	33.6	32.5	N	NE	159	. 51	2

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological MARCH.

			Co	mr di:	nun seas	icab es.	le				Dia rho disea	ar- cal ases					Vio	lend	ce.				
							culosis.	ic.		te.	(dystery	ex- led).	ms).	rms).	stion.		gligence.		ıal.				ar.
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms)	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1{	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C						2							2						7 3 10 6 11	::::}	{	1}
2	W.						2 2 2 1 1				1			1			1 1 1			10 6	····}	{	
3	W.						1						2				î			11	····}	{	1
4	W.						1							3 1 1 1 5 1						9 9 7 8 5	}	{	
5{	W.			1										1 5						8 5	····}	{	1) 3) 2) 2)
6	W.						1 2 5						·	1					ï	10 10	}	{	2
7{	W.					-	5											i	:::	10 9 5 10 3 17	}	{)
8{	W.						2 2					1	i	2 1 1						10	}	{	
9{	W.						2 1 3			i								1	i	17	••••}	}	1 1 1
10	W.					1	2							2 2 1 4			ï			6 10 7 6 6 4 3 10 4 7 3 10 3 9 3 8 6	••••}	}	1
11	W.												1	4						6	}	{	1 3
12	W.						2						i	1 2						4	}	}	
13	W.													1 2 2 3			1			10	{	}	· · · i
14	w.					1			1		×									7	}	}	
15	w.													2						10	\	}	1
16	w.		:::	:::	:::		. 1							2 4 1 1				ï		9	{	}	3
17	w.	::	:::	:::	:::	:	2 2	:::	:::	:::			1	1			:::			8	::::{	}	3 1 1 1
18	w.	::	:::	:::	:::		:::			:::			i	1						11	::::{	}	1
19	W.	::	:::	: ::	. 1	. i	1	::	:::		i	1	:::	2	:::					1 6 3 12	::::{	}	3
20	W.	::		: ::	:	-	. 1 . 1 . 1 . 2	::						2 4 1 3 4				i		3 12	::::{	}	1
21	C. W.	::	: ::	:		:	1 2							3		• • • •	i	1		9	{	}	3 2 1 3 1
22	C. W.	-:	:		. 1		. 2	1						3	1					5	{	}	
23	C.	-			-	-	. 3		-									2		7	{	{	
23	C.		: i					• • • •						1 1 4	1		2	1		7	{	}	
24	C.						. 2			-		1		2				i		5	{	{	
25	C.					i				-	-			1			2			6	}	{	
26	C.		-								i i			2						6	::::{	{	2
27	C.					i	. 3		:::	:	-									4	}	{	
28	C.			::			3		: ::	: ::	. i	-		1 1 1 3			1			5	}	{	1 2
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Total	{ W.	-		1 0	1 0	0 5	5 31	1 (0 0	0	1 4	3 2	6 2	45 39	0 2		9 4	9	1 1	287 167	399) 260)	659	29 32

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

MARCH.

		Tempe	erature (e	exposed	bulb).			Direc Wi	tion of nd.			
Mean barometer (actual).	Mean relative humidity.	Maximum.	Minimum.	Range,	Mean.	Mean wet bulb.	Mean dew point,	8a. m.	8 р. т.	Total movement of wind.	Rainfall (inches).	Day of month
30.38	90	37	33	4	35	34.9	33. 5	s	sw	80	0.32	
30.44	85	38	32	6	35	31.6	30.0	N	E	135	.35	
30. 28	94	34	31	3	32	32. 2	31. 5	E	NE	108	.39	
30.05	93	36	33	3	34	33. 4	33.0	N	NE	207	1.24	
29.88	70	40	25	15	32	28.4	22.0	NW	NW	388	. 16	
30.44	52	38	23	15	30	24.4	14.5	NW	E	221	0	
30. 40	58	53	30	23	42	32.6	25. 0	SE	SE	201	0	
29. 94	68	56	43	13	50	41.0	34.0	N	NW	228	.32	
30.14	54	46	37	9	42	34.3	25. 5	w	NW	280	0	
30. 28	70	57	30	27	44	36.4	31.5	sw	SE	120	0	1
29.90	57	67	43	24	55	50.4	43.0	s	sw	190	.07	1
30.06	60	66	38	28	52	46.7	39.0	NW	NW	360	0	1
30.36	68	38	30	. 8	34	27.8	23.0	NW	N	135	. 30	1
30. 15	97	39	32	7	36	35.8	36.0	SE	N	120	. 36	1
30. 15	67	55	32	23	44	36. 1	29.5	sw	N	203	T.	1
30.34	49	52	33	19	42	32.8	22.0	N	SE	192	0	1
29. 89	72	54	36	18	45	40.0	36.0	SE	NW	231	.32	1
29.90	53	44	31	13	38	31.2	22. 5	sw	NW	323	T.	1
30. 26	52	42	24	18	33	26.4	16.5	NW	SE	346	0	1
30.03	47	64	32	32	48	39.4	28.0	s	NW	125	0	2
29.90	77	49	38	11	44	41.4	37.5	E	N	159	.04	2
30. 24	78	58	33	25	40	39.0	35.0	sw	sw	138	0	2
30. 15	89	56	38	18	47	44.2	42.0	s	s	221	.06	2
29. 98	57	59	42	17	50	42.8	34.5	NW	N	222	. 46	2
30. 24	58	62	33	29	48	39.4	31.0	w	SE	138	0	2
30. 26	76	65	35	30	50	44.2	40.5	N	SE	173	T.	2
29.82	82	64	42	22	53	46.8	43. 5	SE	NW	255	.73	2
29.98	38	55	37	18	46	35.8	21.0	NW	sw	299	0	2
29.77	46	59	44	15	52	39.6	28. 5	w	NW	327	0	2
30.08	44	60	40	20	50	39.5	27. 5	NW	sw	207	0	3
30.01	50	82	39	43	60	48.6	38.5	s	sw	146		3

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological APRIL.

			Co	mn dis	eas	icab	le				Dia rhe disea (dys	ar- al ases					Vio	lene	e.				
							culosis.	ılc.			tery clud	ex- ed).	ms).	rms).	stion.		gligence.		nal.				ar.
Day of month.	Color.	Typhoid fever.	Measies.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis opidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms)	Pulmonary congestion	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1{	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C						1							1		:::	1	 i		6 6 10 5	:::}	{	
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4	C.					:::	1				i	1						:::	:::	4	::::}	{	
5	C.												¦	1				1		4 7 0 11	::::}	{	
6	C.	1																			::::}	{	
7	C.	1					4				i	1		1			1 1 1	:::		5 6 5 8 6 12	::::}	{	
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23	{ c.			i :				l			: :::	::::		. 1	::	:::	i	::	:::	6 3	::::}	{	
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28	{ C	: :	:::	:::	::	:::::		i :			: :::	:	: ::	٠١	-1	: ::	1		i	12 2		}{	
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Total.	-{ W		1 3	0 .		1 :	2 2	9	2 .	1	1 1	4	1 2	_ _		-	. 16	3 2	-	260	344)	561	

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

APRIL.

		Tempe	rature (e	xposed l	oulb).			Direct win	ion of			
Mean barometer (actuad).	Mean relative humidity.	Maximum.	Minimum,	Range.	Mean.	Mean wet bulb,	Mean dew point.	8 в. т.	8 p. m.	Total movement of wind.	Rainfall (inches).	Don of month
9. 93	42	83	58	25	70	54.7	44.0	s	sw	180	0	
29. 84	58	80	52	28	66	55.8	49.0	s	NW	243	T.	
30. 32	40	58	42	16	50	39.4	25.0	NW	NW	291	T.	
0.36	56	62	35	27	48	41.3	32.5	w	SE	117	0	l
29. 65	87	54	43	11	48	45.8	43.5	E	SE	315	.78	1
29.44	68	49	42	7	46	39.4	33.5	sw	w	365	. 05	
29.92	49	56	42	14	49	39.0	28.0	NW	NW	446	0	
30. 01	56	45	32	13	38	33.8	25.5	N	NE	184	. 22	
29.88	64	41	28	13	34	28.9	21.5	N	NW	381	. 25	l
30.06	37	53	31	22	42	33.3	18.5	NW	sw	302	0	١
29.98	26	70	42	28	56	41.5	22.0	NW	SE	185	0	
29. 73	38	73	47	26	60	50.2	37.0	w	NW	189	T.	
29. 75	65	61	36	25	48	38.8	31.5	N	NW	227	. 31	
29.88	52	49	31	18	40	33.0	23.5	NW	N	196	0	
30.00	54	54	33	21	44	38.6	30.0	sw	s	106	0	
30. 22	42	64	40	24	52	41.0	31.0	N	N	134	0	
30.36	48	69	37	32	53	44.5	34.0	NE	SE	105	T.	
30.18	64	75	52	23	64	54.2	48.5	SE	s	110	T.	l
30.04	68	84	55	29	70	59.4	54.5	sw	SE	160	. 03	
30.04	76	72	51	21	62	54.2	51.0	NE	SE	138	0	
29.89	80	85	59	26	72	59.4	56.5	SE	s	118	T.	
30, 04	47	73	55	18	64	51.2	41.0	NW	sw	150	T.	
29.90	62	81	49	32	65	56.6	50.5	s	s	86	T.	ı
29.96	67	65	47	18	56	47.2	41.0	NE	NE	223	. 01	
30.10	55	56	46	10	51	43.4	35.0	NE	SE	215	0	
29.98	94	59	48	11	54	51.0	50.0	SE	NE	138	.11	
30.10	64	61	48	13	54	44.6	38.0	NW	NW	167	.19	
30.02	88	54	47	7	50	48.0	46.0	N	sw	76	.16	
30.00	73	60	48	12	54	48.6	45.0	NW	s	91	. 06	
29.92	70	77	50	27	64	55.0	51.0	sw	Е	129	0	1

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

			Con	mm dise	uni	cabl	le				Di rhe dise						Vio	len	ce.				
							ulosis.	ic.			(dystery	ex- led).	ms).	rms).	tion.		ligence.		al.				ar.
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases,	Deaths by color.	Total deaths.	Deaths under 1 year
1{	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C		:::				2						:::	 1				1		11 1 10 3 6 6 7 2 9 6 8 3 10	::::}	{	}
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year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

		Tempe	rature (e	xposed	bulb).			Direct Wil	ion of			
Arean barometer (actual).	Mean relative humidity.	Maximum,	Minimum.	Range.	Mean.	Mean wet bulb.	Mean dew point.	8 a. m.	8 p. m.	Total movement of wind.	Rainfall (inches).	Den of month
. 79	64	79	53	26	66	49. 8	43. 0	E	NW	274	0.09	
. 95	35	65	50	15	58	43.0	29.5	w	NW	295	0	
. 02	48	63	47	16	55	45. 0	34. 5	NW	N	211	0	
. 86	86	49	44	5	46	44. 4	42. 5	NE	NE	226	. 73	
. 83	93	46	43	3	44	43.7	43.0	N	N	129	. 02	
. 07	78	53	43	10	48	43.0	37.0	N	E	123	0	
. 12	72	57	46	11	52	46. 2	42.0	s	s	128	T.	
. 90	81	51	46	5	48	45.1	42.0	NE	sw	120	. 05	1
. 84	56	58	45	13	52	43.6	35. 0	w	w	231	. 01	
. 90	44	61	43	18	52	43. 4	31.5	NW	w	300	0	
. 77	46	68	42	26	55	46.0	34.5	S	NW	209	0	
.78	48	60	47	13	54	43.6	32. 5	NW	NW	310	T.	
. 83	46	64	47	17	56	45. 2	34. 5	NW	NW	209	T.	
. 82	40	70	48	22	59	47. 4	33.5	NW	NW	306	0	
. 83	32	72	53	19	62	47. 2	29.5	NW	NW	294	0	
. 79	45	79	46	33	62	52. 6	41.0	SE	NW	174	0	l
. 81	38	79	58	21	68	54.8	42.5	w	E	163	0	l
. 92	59	87	52	35	70	57.0	50.0	SE	sw	122	0	١
.90	55	86	59	27	72	61.8	54.5	N	SE	125	0	
. 81	56	88	58	30	73	63. 6	57.0	sw	NW	137	0	
. 95	54	72	60	12	66	54. 2	46.0	NE	E	182	0	١
. 68	80	78	56	22	67	60. 5	55. 5	Е	s	157	. 16	
.70	55	70	54	16	62	54.0	45. 0	sw	NW	286	T.	
. 76	37	71	48	23	60	47.3	32. 5	sw	NW	232	T.	
. 88	42	62	47	15	54	46.8	34.5	w	NW	237	0	
. 98	53	73	46	27	60	51.6	43. 5	NW	SE	147	T.	
.70	82	89	59	30	74	63. 7	61. 5	s	NW	165	.38	
. 69	96	65	58	7	62	60. 2	59. 5	N	sw	179	. 39	
85	83	66	55	11	60	54.9	53.0	w	NW	178	. 01	
18	60	77	51	26	64	54. 8	48.0	NW	N	94	0	
. 16	68	74	57	17	66	57.0	52. 0	SE	SE	180	T.	

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological June.

			Co	mn	nun seas	icab es.	le				Dia rhe disea	al					Vio	len	ce.				
							culosis.	ic.		1	(dystery clud	ex- ed).	ms).	rms).	stion.		gligence.		ıal.				ar.
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms)	Pneumonia (all forms)	Pulmonary.congestion	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under I year.
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26	W.	.					. 2	1::		:		. 1	•••							2		}	
) C.						. 1													7		{	
27	W. C. C. W. C.						. 1		. i	-:				. 1						5		{	
28	{ c.	1:	-						:::	:::					:::		2	1		9		{	
29	C.	1:				:::::	. i		:::	. 1								1	1	7		{	
30	{ "C.	i			::	:::::			:		i			1						14377569642669284494662554878099410226655844215567713599477158		{	
Total	(W	. 5	2		1	-		-	0	4		0	2	17	-	-	20	-	0		90.4	-	
Total	{ c.	1	1 .		1 .	1	19	3	0	1	6 3	0 2	3	17 10	1 0		20	5	2 4	217 134	294) 181	475	

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

JUNE.

		Tempe	erature (e	exposed	bulb).			Direc wi	tion of nd.			
Mean barometer (actual).	Mean relative humidity.	Maximum.	Minimum.	Range.	Mean,	Mean wet bulb,	Mean dew point.	8 a, m.	8 p. m.	Total movement of wind.	Rainfall (inches).	
30. 01	79	83	61	22	72	64.8	62.5	s	s	136	0.02	
29.96	80	85	64	21	74	67. 0	64.5	sw	SE	118	. 04	1
30, 05	65	84	63	21	74	61.9	57.0	s	NW	218	. 11	
30, 22	52	79	55	24	67	56.5	48.5	N	s	98	0	
30, 00	79	80	60	20	70	65.6	63. 5	s	sw	154	0	l
29. 96	80	82	63	19	72	65.2	62, 5	NE	NE	118	1.50	١
29. 89	86	81	65	16	73	67.4	65. 0	NW	s	89	. 09	
29. 90	58	83	63	20	73	63.3	57.5	s	NE	137	.02	1
29.88	70	83	62	21	72	65.4	61.5	sw	SE	110	.90	l
29, 82	82	74	66	8	70	65.8	64. 0	s	s	176	. 10	ľ
29. 92	88	73	66	7	70	67.0	66.0	SE	NE	91	. 03	
30. 20	86	84	64	20	74	68.1	66.5	N	SE	96	0	1
30, 18	85	87	67	20	77	70.2	69.0	SE	s	125	0	l
29.88	82	87	65	22	76	68.0	66.0	sw	S	138	2.69	
29.90	79	. 75	55	20	65	57.1	54.0	N	N	145	. 04	•
30.16	66	68	50	18	59	52.6	47.5	NW	NW	110	0	
30, 26	64	74	52	22	63	56.0	50.5	NW	sw	193	0	
30.17	60	84	52	32	68	59.6	53.5	sw	sw	66	0	
30.05	59	87	60	27	74	62.8	57.5	sw	s	107	0	
29.97	72	85	65	20	75	66.1	63.0	s	s	109	T.	1
30.03	68	85	62	23	74	64.6	60.5	NW	N	76	0	1
30.04	64	88	62	26	75	66.6	61.5	w	sw	83	. 0	1
29, 98	64	87	66	21	76	69.0	64.5	w	s	94	. 01	1
29.90	59	91	69	22	80	69.2	63.5	sw	NW	161	0	1
30.16	58	80	64	16	72	62.0	56.0	NW	NE	135	0	
30.16	76	88	62	26	75	70.6	68.0	SE	sw	122	0	
30.04	76	95	68	27	82	69.5	67.0	s	sw	110	.65	:
30.00	75	87	69	18	78	-70.6	67.5	NW	SE	107	0	:
29.87	80	84	67	17	76	70.4	68.0	sw	NW	149	.05	1
30.08	62	86	59	27	72	64.7	59.5	sw	sw	103	0	1

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

-				Со	mm	uni easc	cab	le				Di rhe dise	eal					Vie	olen	ce.				
	Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pelkgra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1	{	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C						1							1						739263737562107584635646363358563262733362546496865440293334884140	9\3/11\6/7\4\9\7\7\6\3\5\11\5\7\6\9\7\7\6\9\7\7\6\9\7\7\6\9\7\7\6\9\7\7\6\9\9\7\7\6\9\9\7\7\8\9\9\9\9\9\9\9\9\9\9\9\9\9\9\9	12	::::}
2	{	W.			:::	ï		2				····	···i·								9	11 6	17{	}
3	{	W.																1	1		6	7	11{	}
4	{	W.						2				1						1 1 2			7 3	9	16{	1}
	{	W.						1 1 1 2										2			7 5	10)	16	····¡}
(3{	W.						1 2							2						6	7 6}	13	}
1	7	W.						5										1	1		1	3	8	}
1	8	W.										1	1		1			2			7	11)	20	1
1	{	W.						3				1						2			8	115	16	····i
10	o{	W.						1				î			i		i				6	7}	13	2
1	1	w.						2							2					i	5	5	16	····;}
1	2	w.	1																		4	4)	13	····;}
1	3	w.				1		1 1				3									3	6)	15	3)
1	4	w.				i					:::			:::							3	4} 5}	9{	1
	5	w.	::	:::			:::	1 2 1 1	1::	:::	:::	. i		:::	. 1		:::	1	i	i	3 5	111	21	3) 1) 1) 3) 1) 3)
	6	W.	::	:::	:::	:::	::		-:	:::	:::	٠			:::	:::		i	i		8 5	105	16	}
	7	C. W. C. W. C. W. C. W.	-	:	:::	:::	::	i	-	:	:	- 1		-			:::	. 1			6	8} 4} 9} 7}	}	1(
		C. W.	1					. 5	-	-		- 1	. i					-			2	9)	13	1{
	18	T C.						. 3					·i	. ::	. i			-			2	4	11{	
]	9	W. C. W.						.	-	-	.	. 2		. :-							3	5/	16{	1\ 2\ 1\ 4\ 1\
2	20	{ C. W.	1::		: ::	:::	: ::		-	: ::		. i	1:::		:::	:	:::	. 1			3	4}	8	4}
	21	C.				:::	:::		. i	1::			:		:::	:::	:::	1.		:::	6 2	3	9{	
	22	1 C.	1			: i	1::	. 1				- 2	i	::	:::	:::	:::	. 1	. ::	. i	5 4	107	17{	2) 3) 2) 1) 3)
	23	{ C. W.					: ::	: 2	:	: i	-	. 3		:	. i	-	1:	: ::	-		6 4	117	18{	1
	24	{ c.				: ::						. 3	:::		- 1	. ::	: ::	: ::	:::		9	13	20{	3}
	25	. ₩.				:::			i ::			:	1:::	-		:	: ::	:	. 1		8	9)	17{	1) 2) 2)
	26	. W.	:			:				-	-		1					-		-	5	8	13	2
	27	{ C.					. 1		2					-						-	10	4) 4) 6) 3) 10(7) 7) 11) 13(8) 8) 8) 8) 12(4) 6) 8)	19	2\ 3} 1\
	28	. W.																. 2			9	12)	16	1)
	29	C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W							1									. i	-		3	6)	14	1
	30	{ W									i :.							: i		-	8	111	23	1 2 2 4 1 1 2
	31	. w											2			::		: ::	:		8	11 12) 16) 15)	31	1
		1	- 1			-			1	-			2 1					-		_	-	-	317	1
	Total	.{		0 .			3	1 1 3	5	1	1	10	7 3	3	. 10			16	6 0	2 2	191 128	260) 217)	477	31 38

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

JULY.

		Tempe	rature (e	exposed l	bulb).			Direct	ion of			
Mean barometer (actual).	Mean relative humidity.	Махітит.	Minimum.	Range.	Меап.	Mean wet bulb.	Mean dew point.	8 a. m.	8 p. m.	Total movement of wind.	Rainfall (inches).	
30.04	64	90	64	26	77	68.4	64.0	sw	sw	111	0	
29. 90	78	94	67	27	80	69. 0	66.5	s	w	167	2.17	Ì
29. 90	85	79	68	11	74	69.2	68.0	sw	Е	106	.06	l
29. 99	81	82	66	16	74	68.1	66.0	N	0	69	0	1
30.06	77	83	64	19	74	70. 2	67.5	N	SE	92	T.	1
30.11	76	83	69	14	76	68.7	66.5	NE	SE	154	0	
30.08	74	81	68	13	74	67.6	64.0	E	SE	166	T.	
29.95	91	74	67	7	70	67.2	66. 5	NE	NE	164	. 25	
29. 87	84	78	64	14	71	68.5	67.0	SE	E	108	. 57	I
29.76	88	84	62	22	73	64.4	63.0	N	SE	123	. 45	١
29.69	86	76	62	14	69	64.4	63.0	N	E	96	. 09	1
29.68	80	89	65	24	77	67.4	65. 5	w	E	94	0	
29.89	70	87	69	18	78	67.6	64.0	sw	NE	89	T.	-
29.94	86	86	66	20	76	70.1	69.0	w	NW	119	1.13	1
29.95	80	84	70	14	77	71.2	69.0	sw	NE	90	. 01	1
30.04	82	88	69	19	78	69.7	68.0	w	SE	102	. 55	1
30.09	78	87	69	18	78	69.1	66.5	s	s	134	T	
30. 15	86	80	70	10	75	69. 2	68.0	s	s	141	.04	
30. 15	85	82	70	12	76	70.8	69.5	sw	S	125	T.	
30.18	83	85	70	15	78	70.2	68.5	sw	s	127	. 16	
30. 10	82	86	70	16	78	70.6	69.0	w	s	108	0	١
30.00	92	78	72	6	75	72. 2	71.0	sw	SE	77	. 59	١
29.95	84	85	71	14	78	72. 2	70.0	NE	SE	107	0	1
30.03	85	87	70	17	78	73.8	73.0	NE	SE	96	T.	1
30. 14	87	81	72	9	76	72.5	71.0	NE	s	91	3. 27	1
30.07	90	87	71	16	79	72.6	71.5	N	sw	95	. 07	
29.85	74	89	73	16	81	74.6	72.0	NW	w	167	T.	-
30.02	68	84	67	17	76	67. 2	63.0	N	w	128	0	
29.98	68	89	67	22	78	70.8	67.5	sw	SE	104	0	-
29.94	70	96	71	25	84	75.8	72.5	s	0	96	0	1
29. 93	67	99	75	24	87	78.0	74.5	w	sw	126	0	1

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological August.

			Сс	mn	uni	icab	le				Di rh dise	ar- eal ases sen- ex- led).					Vic	olen	ce.				
							ılosis.	le.			tery clud	ex- led).	ns).	ms).	tion.		ligence.		al.				ır.
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms)	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under I year.
1{	W. C. W. C.											2	:::	1	 1	5 2 7	1			9 8 10 7 5 8 6 3 9 0	::::}	{	}
2	W.					:::	i				1 4 1	1	·:·	· i ·	1			:::		10 7	::::}	{	2} 1} 55 1} 2} 2} 1} 1} 1} 1} 2} 4} 2} 2} 2} 2} 2} 2} 2} 2} 2} 2} 2} 2} 2}
3{	W.	ï					1 1 1 2					1	:::	:::		2	·:·	:::		5 8	::::}	{	2}
4{	W.			:::	:::	:::			:::		1		:::	ï			1 2		:::	6	:::}	{	}
5{	W. C. W. C.	i					1	:::			1									9	::::}	{	1)
6	C.						:::				1	2	:::	····			1 2			6	}	{	1)
7	C.				:::		1		:::		1 1 1 1 1			1		:::	ï	1	:::	6 1 4 7 6 4 3 6 2 2 2 3 5 4 4 4 3 7 6 5 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2	::::}	{	2)
8	C.	2									1			1			····	1		6	}	{	2)
9	C																			3	}	{	2}
10	C.			:::			1					. 1	:::			:::				2	}	{	
11	C.	1::					1 2				2						:::		:::	3	}	{	1\ 3\ 2\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 3\ 1\ 1\ 1\ 3\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\
12	C.				:::				ï										:::	4	::::}	{	1)
13	C.			. 1	:::		2	:::			2 1 2 1		:::	2			2		:::	3	}	{	1)
14	C.	i	: ::				2 2 1 1 2 2 1 1				1						ï	1	:::	6	}	{	}
15	C.	i		: ::		:::	2		:	:::	2			. i						2	}	{	1) 3) 2)
16	C.	1		:::		:::	. 1		:	:::				1 1 1				1		2	}	{	j
17	C. W. C. W. C. W. C.			: ::	: ::	:::	: ::	: ::	: ::	:::	1 2 1 3 2 1 3	:::	:							4	}	{	· 1 2 2 3 2 3 2 1
18	{ c.				: ::	: ::		: ::	: ::	:::	3		:	: ::			. 2	2		7	}	{	3)
19	{ c.			: ::	: ::	: ::	. 1		: ::	: ::	1	···	: ::	: ::		:::				2	::::}	{	1)
20	{ C.	1.				:	. i	-	: ::	: ::				: i	-	: ::	1		ï	2	}	{	}
21	C.					: ::	. 1			: i			: ::	: ::	:		i			3	}	{	}
22	C.		i					i ::		: ::		2	: ::	: ::	:	: ::				4	}	{	5\ 2\ 1\
23	C.	1													:	:	: ::	: ::		3 5	}	{	2
24	C.							2							: ::	: ::	: ::			6		·····{	}
25	{ C.								i							: ::	. 1		: :::	3		{	3
26	{ C.											3				: ::	. 3	i		2		{	2)
27	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					::		1 . 2 . 1 .				3	2	::			. 2	1	. :::	4 6 6 7 7 3 2 2 9 9 2 4 4 3 3 5 6 6 4 4 4 3 3 5 6 6 4 4 4 4 4 7 2 2 5 9 9		{	3) 2) 1) 3) 2)
28	CW							ĩ .				3 1 1			2		: ::		:	4		{	1
29	C							2	::			1						: ::	:	4		}{	1
30	C												1			:			: :::	2		}{	1
31,		- 1			:: :	:: :		3 .	::	-		1					: i		: :::	9		}{	2
Total	.{ W		6	1 0	1 0	1 .	2	6	0	1	1 3	3 1	2 1	0 1	5 1	1 1:	1 19	7 7	0	179 125	307 209	516	52 41

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

		Tempe	rature (e	exposed l	bulb).			Direct Wil	ion of			
Mean barometer (actual).	Mean relative humity.	Maximum,	Minimum,	Range.	Mean.	Mean wet bulb.	Mean dew point.	8 a. m.	8 p. m.	Total movement of wind.	Rainfall (inches).	
20.94	78	95	79	16	87	78.2	76.0	NW	sw	63	0	
29.94	72	96	70	22	85	73.9	71.0	0	w	120	T.	
30 02	68	85	70	15	78	67.2	63.5	NW	sw	118	T.	-
30.10	67	82	65	17	74	63.4	59.0	N	N	127	0	l
30 13	56	85	61	24	73	63.0	56.5	N	SE	77	0	1
30.09	72	89	65	24	77	69.6	67.0	S	SE	111	0	
30.14	76	88	68	20	78	71.4	68.5	NE	s	91	0	
30 06	78	85	74	11	80	71.2	69.5	SE	SE	173	0	
29.90	86	88	68	20	78	71.4	70.0	N	SE	113	- 52	
29. 91	70	78	63	15	70	62.6	59.0	N	N	149	T.	
30 02	70	81	60	21	70	64.7	61.0	N	NW	91	0	-
30.14	73	85	63	22	74	66.0	63.0	0	0	73	0	ļ
30. 16	72	85	64	21	74	66.4	63.0	s	SE	117	0	1
30.16	75	84	67	17	76	67.4	64.5	SE	SE	127	T.	
30.06	76	83	69	14	76	68.3	65.5	SE	E	110	. 01	
29.94	82	85	70	15	78	70.6	68.5	NE	SE	83	. 19	
29.87	71	87	67	20	77	67.1	63.5	NW	NW	155	0	
30.01	72	80	61	19	70	61.4	57.5	NW	NW	136	0	
30.07	70	87	58	29	72	63.8	60.0	sw	s	95	0	
29.96	74	90	67	23	78	69.5	66.0	S	S	113	0	
29.88	78	90	70	20	80	71.7	69.0	sw	SE	101	0	1
29.90	82	85	70	15	78	72.6	70.5	E	Е	147	т.	1
29.72	90	78	72	6	75	72.4	71.0	NE	Е	145	. 03	ļ
29.68	88	89	71	18	80	71.8	70.5	sw	N	85	. 01	1
29.88	66	83	63	20	73	62.8	57.5	sw	NW	147	0	
30.20	66	80	54	26	67	58.8	54.0	sw	sw	89	0	ı
30. 16	64	87	57	30	72	63.4	58.0	sw	sw	103	0	
30 10	66	90	64	26	77	66.6	61.0	sw	S	119	0	
30.06	86	87	71	16	79	71.0	69.5	sw	s	159	T.	1
30.08	88	83	70	13	76	71 6	70.5	sw	sw	98	.01	-
30. 24	91	74	67	7	70	68.4	67.5	NE	NE	121	T.	1

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological September.

			Co	dis	ease	icab es.	le				Dia rhe dise	coel					Vio	olen	ce.			1	
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Sufeides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C				1				1		3 2 2 1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 2 2 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	644324527564796357678512434583509140645198664695829593633378	12) 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	20{ 15{ 19{ 114{ 10{ 224{ 15{ 16{ 17{ 16{ 117{ 16{ 114{ 117{ 16{ 117{ 117	3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\

year 1917. arranged with reference to race, cause of death, and corresponding daily ronditions—Continued.

		ion of	Direct wir			oulb).	xposed l	rature (e	Tempe		
Raınfall (inches).	Total movement of wind.	8 p. m.	8 a. m.	Mean dew point,	Mean wet bulb.	Mean.	Range.	Minimum.	Maximum,	Mean relative humidity.	Mean barometer (actual),
0.04	90	s	sw	71. 0	72.8	76	11	71	82	88	30. 18
T.	62	w	N	68.0	69. 2	77	20	67	87	88	30. 12
0	115	N	N	66.0	67.8	74	13	68	81	78	30.06
0	157	N	N	51.5	56.6	66	17	58	75	64	30. 18
T.	104	SE	N	50.5	56.4	66	17	57	74	62	30. 18
. 25	123	sw	sw	63.0	64.6	70	13	64	77	86	29. 96
. 35	102	SE	N	50. 5	56.6	64	14	57	71	62	30.12
. 24	178	NE	NE	58.0	58.4	60	7	57	64	94	30.04
T.	77	w	NE	56. 5	58.4	62	9	57	66	86	30. 12
0	229	N	N	45.5	51.0	55	16	47	63	68	30. 15
0	127	NW	N	39.0	44.4	52	23	40	63	67	30. 27
0	55	E	SE	44.5	49.3	57	32	41	73	71	30.32
0	77	N	NW	48.0	51.0	60	32	44	76	80	30, 28
. 14	133	E	N	58.5	59.6	62	19	52	71	88	30. 26
.01	258	N	NE	53.0	54.8	60	5	57	62	86	30. 22
.08	232	NE	N	54.5	57.0	64	13	57	70	79	30. 25
0	166	w	N	51.5	53.6	61	20	51	71	80	30. 20
0	94	NW	w	52.0	54.7	63	28	49	77	81	30.08
0	70	SE	w	56.0	58. 2	66	27	53	80	82	29. 98
0	81	s	sw	57.5	59.7	68	28	54	82	84	29.94
T.	134	N	s	59. 5	62.6	70	21	60	81	75	29.95
0	194	N	N	50.5	54.2	62	17	54	71	74	30.18
0	206	Е	NE	46.0	50.8	58	17	50	67	68	30, 42
T.	189	N	NE	47.0	50.6	54	13	48	61	76	30.32
0	75	sw	N	54.0	56. 6	62	15	55	70	81	30, 24
0	69	sw	0	54.0	56.5	64	29	49	78	84	30. 20
.07	132	SE	S	59.0	60. 4	66	23	55	78	88	30. 10
. 16	107	NW	sw	60.0	62.8	70	13	63	76	82	29.90
0	84	s	0	56.0	58. 4	65	16	57	73	84	29.88
0	241	sw	NW	48.5	53.0	60	14	53	67	70	29. 76

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological October.

			Сс	mm	nuni	icab	le				Di rhe dise	er- eal ases					Vie	olen	ce.				
Day of month.	Color.	Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tubereulosis.	Meningitis epidemie.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronehitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1{	W. C. W. C.					 1	2				1 2 1 1			1 1			 1	==		5 6 4	:::}	{	1) 4) 2) 3)
2	C. W.										1			3						6 8 4	{	}	3f 1)
3	w.						2 2						• • • •	1			· · ·			13	}	}	1 1 1
4	W.	1					2 2 2 1 2 2				1		1	1			1			4	}	}	
5	C.						2				2		1				· · ·			3 1 4	{	}	3) 1) 2) 1) 1) 2) 1)
6	W.						1							2			1 1 1	1		4 5 11	}	}	2j 1)
7	C.	1					1							2				1		4	}		1)
8	C.	1					1 2 3 1					1	1							9	}	{)
9{	C.										2			1				1		4 2 8 3 12	}	{	3} 1\
10	C.		1											1			1			3	}	{	}
11	Ċ.																1			4	}	{	}
12	C.						. 1			1				1			1		1	4 4 3 8 4	::::}	{	::::}
13	C.	1		:			. 1			:::				1 1					1	8	}	{	3) 2) 1)
14	W.	i	- ::		1::	:	. 1			1::		· i		. 1						4	::::}	{	}
15	W.			-	: :::					. 1		1		1 1 1			1			5	····)	{	····;}
16	C. W. C. W.										- 1			î						6	<u>}</u>	}	1)
17	1 (1					. 1						-	1						8)	}	1)
18	W. C. W.					. 1	1:													10		}	}
19	W.		:				. 1		: i	1:		1:::		. 1			1	1		7		}	1)
20	C. W.	1::	: ::				. 2	11	: ::	:::	. 1		. 1				2			7	{	}	}
21	} w.	1::		: ::	1::	. 1			: ::	:	: :::		. i	. 1 1 3			1:::			11	{	}	1/2
22	W.C.W.C.W.	1				1	. 1		:	:::	::::			. 3						1 3	{	}	
23	} C.		-		:::		. 1							i	i		3			7	{	}	
24	} C.	·			-	-								. i		-	. 3 . 1 . 1			4		}	3
	S C.					. 1	. 2	2					-				2	1		2			
25	CWCWCWCW						- 2	2		-		-		1 1						3		{	}
26								2								:	. 2			4		{	1)
27	{ c.							3		: ::	: :::	-	: ::	2	- ::	:::	. 1		:::	8 3		{	}
28	WCWCW							3		: ::	:	:	. ::	:	: ::	: ::	i		:::	11)	{	2)
29	{ C.									:::	: :::			. 1		: ::	. 1			8 3		}{	(
30	CW CW C		i .							:	- 1		:	. 1	-:	:	. 1			8 5		{{	2
31	-{ W		i :					l		:		: ···i	-	. 1			. 2			4 4 5 3 3 6 6 2 2 8 8 2 2 10 0 5 7 7 1 1 1 3 3 7 7 9 4 4 4 4 2 2 11 1 3 3 8 8 3 11 4 4 8 8 3 8 8 5 5 3 7		}{	1
Total	{ W		2	1 .			_'_	5	. 1	1		-	_		-	-	. 23	5	1	216	317		31)
1 Otal	f C	1	6	0			3 2 3	2	() 1	10	3	i	18	Ô	1	. 5	0	î	117	196	513	27)

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

OCTOBER.

		Tempe	erature (e	exposed	bulb).			Direc wi	tion of nd.			
Mean barometer (actual),	Mean relative humidity.	Maximum.	Minimum.	Range.	Mean.	Mean wet bulb.	Mean dew point.	8 a. m.	8 р. т.	Total movement of wind.	Rainfall (inches).	
30.07	59	63	50	13	56	47.9	40.5	w	NW	227	0	
30. 28	69	68	44	24	56	47.8	43.0	w	SE	105	0	
30.08	85	71	41	30	56	50.0	47.5	0	SE	130	0	
χo, < 0	۶2	78	55	23	66	55. 2	53.0	s	N	126	. 01	
9.86	87	79	53	26	66	55.6	54.5	Е	SE	117	. 20	-
30. 21	62	57	43	14	50	43.4	37.0	NW	NW	276	0	١
30. 28	79	63	34	29	48	43. 2	40.0	sw	SE	95	0	١
0.12	88	67	47	20	57	48.0	46.5	sw	NW	131	. 07	1
0.18	84	48	40	8	44	43.8	40.0	N	N	155	. 35	ı
0.10	80	53	39	14	46	42.5	39.5	N	NE	121	T.	1
0.02	86	61	43	18	52	46.6	44.5	N	SE	88	.01	1
9,84	61	60	39	21	50	44.9	37.5	S	NW	283	. 36	
0.14	70	59	33	26	46	37.6	32 5	sw	N	110	0	
0.16	80	€4	34	30	49	42.0	38.5	sw	s	118	0	
9.90	68	78	50	28	64	51.6	47.0	sw	NE	121	T.	
0.05	76	72	49	23	60	51.2	47.0	NW	N	71	0	
0.32	57	63	48	15	56	46.0	38.0	NE	E	164	0	
0.24	92	61	48	13	54	54.5	53.0	NE	NE	89	T.	
9.94	92	79	47	32	63	56.2	55.0	S	N	248	.89	
0.21	63	49	37	12	43	36.0	29.0	NW	N	294	. 01	
0. 24	70	54	34	20	44	35.7	30.5	N	NW	94	0	
0.22	80	€0	34	26	47	38.2	35.0	w	N	120	0	
0.12	77	62	38	24	50	46.6	43.5	NE	E	210	.96	1
9.64	70	53	38	15	46	38.0	32.0	w	w	408	. 54	
0.05	65	53	37	16	45	41.6	35.5	w	N	205	0	1
0.10	80	63	34	29	48	43.8	40.5	Е	sw	139	0	1
9.97	90	70	48	22	59	53.0	51.5	NW	sw	141	. 58	
0. 24	64	58	43	15	50	43. 4	37.0	NW	sw	139	0	
9.96	89	67	42	25	54	54.0	52.5	s	S	102	.02	1
9.76	69	68	33	35	50	41.4	41.0	w	NW	381	. 81	l
0. 20	66	44	26	18	35	28.2	22.5	NW	N	193	0	

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological November.

			Co	mr di:	nun seas	icab es.	ole				Dis rhe dises	al					Vic	olen	ce.				
							ulosis.	ic.			(dystery	ex- ed).	ns).	ms).	tion.		ligence.		al.				ır.
Day of month.	Color.	Typhoid fever.	Measles.	Searlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronehitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Aeeidents and negligence.	Suieides.	Homieides, criminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1{	W.	 i					1 2			:::				1					:::	9 5 12 6 6 7 5 2 7 2 5 5	::::}	{	1
2	W.						2		1	:::			•••	1	:::	•••			:::	12 6	::::}	{	3
3	W.						i			:::				2			i	:::		6	::::}	{	
4}	W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C						1 1 1							2 1 2 1			1	•••		5 2	····}	{	
5	W.	i				i								1			2 2	• • •	•••	7 2	····{	{	
6}	W.			-			1 1 1					1	i	1			2	1		5	····}	{	
7}	W.										1				•••	• • •	•••			4	}	{	
8}	W.	ï			-		1 2				1	1								9	}	{	
9}	W.		i		-		2												· · · · · · · · · · · · · · · · · · ·	10	····}	{	
0}	w.				-		. 1 . 3 . 1							1 2			i			6 6 5 9 5 7 8 14 3 2 8 12	····{	{	
1}	w			-		1	1							3						9	}	}	
2 }	w.				-		. 1							4			2	1 1		7	{	}	
3}	w.			: ::	: ::	:::	. 2									:::	 i			14	{	}	
4}	w.		:::	:::	: ::	-	. 1		::::					i		:::	1		:::	2	{	}	
5	w.	::	:::		: ::	1	. 2		:::		. 1		1	1 2					:::		{	}	
6	w.	::	:::		:::	:::	2 2 1 1 2	::	:::		2						2			9	::::{	}	
17	C. W. C. W.	::				i	. 2		::	:::	. 1			1			1 1	ï		3 10	{	}	
18	W.		-	-	-	-					i			1 1 2 1 2						. 10 5 11	{	}	
	W.						. 1							2			i			3	}	}	
19	C.						. 1 . 1 . 2 1	i						i			· i			2	{	}	
20	C.			-			. 1		- i					1 2 2	i					3	}	}	
21	W. W.				i									i				1		2	}	{	
22	{			: :						:::	. i		:::				i		:::	6	}	{	
23	{ c.									:::	: :::	:::	:::	. 2	:::					3	::::}	{	
24	{ c.									: ::	: :::		:::			-	2	i		10	::::}	{	
25	{ C.	:				: :	: :	2 ::			i	- 1		. 2			. 1			6 4	::::}	{	
26	{ C.	:									. 1	,	:::	1 1	::	-		i	1	6 4		{	
27	{ W. C.	:		i .	::		1 .	2				:	: ::	:	-		1 1			7		{	
28	C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W	. -		:: .	1 .	::	::			::		:	: ::	. 1	-:-		1			7 2		{	
29	{ C.		::			::	::					:	:	. 1				i		1 4		{	
30	{ C.	:	::		:::	::	::	i :	::			:	i	. 1 . 5 . 1 . 1		-	2			3 8 8 2 8 8 3 7 7 2 2 11 1 6 4 4 3 3 1 6 6 4 4 7 7 6 6 7 7 2 2 1 1 4 4 9 4 4 9 4 9 9 9 9 9 9 9 9 9 9 9			
Total.	-		2 2	2 0	1 0	0	2 2 4 2	_ _	1 0	1	. 6	3	2	_ _	_	-	22	7 2	1	234 127	334)	536	

year 1917. arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

Rainfall (inches).	Maintail (metres).
118 0	
130 0	,
144 0	
141 0	
71 0	
133 0	.
176 0	
115 0	
204 0	
208 0	.
63 0	- 1
86 0	.
147 0	.]
110 0	
215 0	
309 0	
133 0	
113 0	
222 0	
117 0	.
99 T	r
79 .	.04
225 0	
346 0	
292 0	
234 T	1
95 .	. 20
62 .	.02
	.09
118 .	.18

Table 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological DECEMBER.

			Co	mm dis	uni ease	cab s.	le				Dia rhe disea	ar- al ases					Vio	lene	ce.				
							ulosis.	ie.			disea (dys tery clud	en- ex- ed).	ms).	rms).	tion.		ligenee.		al.				ar.
Day of month.	Color.	Typhoid fever.	Measles.	Searlet fever.	Whooping eough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Aceidents and negligenee.	Suicides.	Homicides, eriminal.	All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
1{	W. C. W. C. W. C. W. C.		1				 2 1										2			9	}	{	2)
2	W.	2					1	1			1		1	1						6	}	{	1
3	W.						2						i	1 1 1 3			ï	• • • •		6 9 10 2 14	··· }	{	1
4	W.						1							3			• • •	:::		1 ± 2	}	{	1
5 {	W.						1 1 2 1 1					::::	1	2	:::		: :			2 11 3 11	::::}	{	1} 1} 2}
6	W. C. W.	-					1							2 2 2 2 1 2 1 4 2	• • •		2	• • •		11	}	{	
7 {	W.						1							2						1 5 3 2 9 4 13 3 5 6	}	{	·····}
8}	W.						1 2							2			2			2 2	}	{	····}
9 }	W.					1	2						1	1					1	9	}	{	1
10	W.		. 1			2								2						13	}	}	····;}
11	W.C. W.C. W.C. W.C. W.C. W.C. W.C. W.C.													3			1 2			5	}	}	}
12	W.					1	1					1	1	· j			1			10	{	{	2}
13	w					1	·i	1			1						2		1	8	{	{	}
11	w.													1 2 3			1			12		}	2
15	w.		-										1				1			10 5 8 5 12 7 12 7 12 7 8 3 12	}	}	{
16	w.	::												i			1			9	{	}	{
17	\ w.				: ::									3			1			12	{	}	2} 2\ 1} 1}
18	\ w.			:::		:::	. 1				. i			3	:::		1			8	{	}	1
19	\ w.				: ::	:::		::::	:::	:::				2	:::		1.		:::	12	{	}	{
20	\ w.		1:	: ::	:	i i	- 1		:::	:::		1		3 1 2 2 1 1			i	-::		6	{	}	2 1 1
21	} w.		. i			i	1::	: ::	-					1			2			8	{	}	····;{
22	} w.			: ::	: :.		. 2		:::	:::	. 1			1 2						7	{	}	1 1 1 3
23	} w.	. :				:	. 1	. ::		:::				1 2 2 1			2 2	.:		4	{	})
24	} &.	. :				: ::	: 3 : 1	.:	-	:::				2			i			5 13	}	}	1}
25	$\left\{\begin{array}{c} C \\ A \\ C \end{array}\right.$. :			-	:	-			:::			. 1	4 3			1			2 7	})
26	} C.						. 1		-		-		1	3			3 1 6			4 8 0 7 4 8 5 13 2 7 8 10	}	{	2}
27	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	. :					. 1	2	-	-			i				6	1		4	}	{	2}
28	$\left\{\begin{array}{c} C \\ R \\ C \end{array}\right.$			2		-	. 3				. 1			2			4			4 4 6 6 6 7 5	}	{	
	(W												i		1			1		6	}	{	
30	} C	. 1				-	- 4	-	-			. 1		1 2 2 1 4						10	}	{	
31	{ C						. 1		-[1	4						3	}	{	2 2 2 3 2
31		-												1						3 9 6	}	{	2}
Total.	{ W		0 0	6 -		. 1	22	3 1			. 2	0 3	5	42 3×	1 0		27 17	2 0	1 1	26°1 135	386) 234	620{	31 34}

year 1917, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

		Tempe	rature ((exposed)	oulb).			Direct	ion of			
Mean barometer (actual).	Mean relative humidity.	Maximum.	Minimum.	Range.	Mean.	Mean wet bulb.	Mean dew point,	8 a. m.	8 p. m.	Total movement of wind.	Rainfall (inches).	Day of month.
		48	36		42						0	1
		44	32		38						0	2
		42	30		36						Т.	3
		41	36		38						0	4
		45	28		36						0	5
		42	28		35						0	6
		35	31		33						т.	7
		45	28		36						. 73	8
		34	16		25						0	9
		23	11		17						Т.	1
		21	12		16		 				0	1
		25	18		22						. 07	1
		34	22		28						.44	1
		28	18		23						T.	1
		24	10		17						0	1
		24	10		17						T.	1
		30	21		26						.01	1
		31	21		26						т.	1:
		40	31		36						0	1
		42	32		37			-			0	2
		50	29		40						0	2
		44									0	2
		40	23 16		34 28						0	2
											.02	2
		48	35	*******	42						. 15	2
		45	30		38						0	2
		32	22		27							2
		30	18		24						0	
		41	17		29						T.	2
		17	2		10						. 05	29
******	••••••	9	-3		3						0	30
		12	2		7						0	3:

Table 3.—Deaths and average age of decedents in the District of Columbia. arranged according to age. sex. and race, with percentages to total corresponding mortality, from 1901 to 1917, inclusive.

	Al	l ages	i.		5 years and over.					
Year.	Deaths.		verag age.	e	Deaths.		verag age.	e	Percentage to all deaths.	
1901-1905 1 1906-1910 1 1911-1915 1 1911 1 1913 1 1914 1 1914 1 1915 1 1916 1 1917 1	2,229 2,089 1,976 1,987 1,955 2,137	Yr. 41 43 47 46 46 47 49 48 48 48	mo. 8 11 7 0 5 4 9 3 7 10	d. 7 17 8 28 3 26 28 16 6 24	1, 487 1, 633 1, 725 1, 739 1, 658 1, 678 1, 712 1, 837 1, 911 1, 974	Yr. 52 54 55 55 56 56 56 56 55	mo. 3 3 10 2 2 0 9 1 2 9	d. 24 1 13 23 19 2 23 0 11 4	79. 31 80. 80 85. 01 83. 24 83. 91 84. 45 87. 57 85. 96 86. 31	

	20	year	and	ove	r.	40	year.	s and	ove	er.													
Year.	Deaths.												Average		Percent- age to all deaths.	Deaths. Average age.		werage age. mo. d. 9 9 7 6 11 27	A verage age.				Percentage to all deaths.
1901-1905 ¹ 1906-1910 ¹ 1911-1915 ¹ 1911. 1912. 1913. 1914. 1915. 1916.	1,650 1,665 1,587	Yr. 54 56 58 57 57 58 58 58 58 57 57	mo. 9 6 0 1 1 0 8 2 3 9	d. 29 20 12 12 15 13 20 3 29 20	74.56 76.58 81.32 70.12 80.31 80.67 83.99 82.08 82.38 83.54	1,057 1,217 1,342 1,322 1,261 1,303 1,371 1,451 1,511	Yr. 62 63 63 63 64 64 64 64	9	9	56. 37 60. 61 66. 14 63. 23 63. 81 65. 57 70. 13 67. 89 68. 24 67. 36													

WHITE FEMALES.

	Al	l ages			5	years	and	ove	г.
Year.	Deaths.		erag	e	Deaths.		verage age.	e·	Percentage to all deaths.
1901–1905 1 1906–1910 1 1901–1915 1 1911–1918 1 1912 1 1913 1 1914 1 1916 1 1916 1	1,519 1,605 1,636 1,650 1,630 1,581 1,581 1,781 1,739	Yr. 43 45 49 47 50 48 50 52 51 51	mo. 5 7 0 1 2 7 0 9 3	d. 16 27 10 17 4 26 16 19 7	1,221 1,3)8 1,4)5 1,357 1,412 1,340 1,343 1,575 1,5)8	Yr. 52 55 57 56 56 57 53 59 53	mo. 3 7 5 0 10 9 10 9 6 7	d. 14 22 19 17 12 6 23 7 28 14	80, 33 81, 47 85, 83 82, 24 86, 62 84, 75 87, 32 88, 43 86, 71 87, 33

	20	years	and	ove	er.	40 years and over.					
Year.	Year. Deaths.		erag	e	Percentage to all deaths.	Deaths.	Average age.			Percentage to all deaths.	
1901-1905 1 1996-1910 1 1991-1915 1 1991-1918 1 1992 1993 1994 1995 1996 1996 1997	1, 144 1, 299 1, 337 1, 288 1, 347 1, 263 1, 281 1, 504 1, 446 1, 509	Yr. 56 58 59 59 59 60 60 61 60	mo. 6 4 11 5 11 4 1 10 6 11	$\begin{array}{c} d. \\ 0 \\ 18 \\ 11 \\ 5 \\ 22 \\ 22 \\ 26 \\ 27 \\ 29 \end{array}$	75. 31 76. 56 81. 72 78. 06 82. 62 79. 89 83. 29 84. 45 83. 15 83. 14	867 981 1,133 1,037 1,102 1,020 1,263 1,245 1,236 1,277	Y7. 64 65 66 66 66 66 67 66 66	mo. 11 3 7 6 6 2 4 3 10 7	d. 6 6 1 24 10 20 5 6 10 13	57. 08 61. 04 69. 25 62. 85 67. 61 64. 52 82. 12 69. 90 71. 08 70. 36	

¹ Annual average for 5-year period.

Table 3.—Deaths and average age of decedents in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1901 to 1917, inclusive—Continued.

COLORED MALES.

	Al	l ages	i.		5 years and over.					
Year.	Deaths.		verag age.	е	Deaths.	A	verag age.	е	Percent- age to all deaths.	
		Yr.	mo.	d.		Yr.	mo.	d.		
1901–1905 1	1,332	28	2	28	851	43	1	21	63, 89	
1906-1910 1	1,375	30	7	22	957	43	8	11	69, 61	
1911-1915 1	1,289	34	4	14	981	45	0	18	76, 11	
1911	1,319	33	0	θ	986	43	11	6	74.75	
1912	1,343	33	11	26	1.021	44	7	26	75.74	
1913	1,253	34	7	26	939	45	11	23	74.94	
1914	1,214	34	10	21	930	45	3	26	76, 60	
1915	1,311	35	3	22	1,027	45	4	9	78. 41	
1916	1,310	36	9	24	1,046	45	11	3	79.85	
1917	1,321	36	8	1	1,054	45	9	0	79.78	

	20) year	s and	love	er.	40	40 years and over .					
Year.	Deaths.		verag age.	e	Percentage to all deaths.	Deaths.		verag age.	e	Percent- age to all deaths.		
1004 100-1		Yr.					Yr.					
1901-1905 1	761	46	6	15	57.88	475	57	8	2	35. 56		
1906-1910 1	869	46	9	17	63. 21	525	57	8	4	38. 19		
1911-1915 1	910	47	5	28	70.60	579	57	2	20	44.92		
1911	9.)1	46	10	4	68,31	548	57	7	8	41.55		
1912	931	47	8	1	69.06	603	56	11	4	44. 73		
1913	880	48	2	7	70.23	573	57	7	28	45, 73		
1914	878	47	2	3	72, 32	551	57	1	4	45.38		
1915	961	47	7	8	73.30	618	56	9	26	47.14		
1916	986	47	11	13	75. 27	628	57	5	24	47.94		
1917	988	47	ī	23	74.79	633	57	1	7	48, 29		

COLORED FEMALES.

	A	ll ages	3.		5	year	s and	ove	r.
Year.	Deaths.		verag age.	ge .	Deaths.		verag age.	ge	Percent- age to all deaths.
1901–1905 i 1906–1910 i 1911–1913 i 1911–1913 i 1912 1912 1913 1914 1914 1915 1916	1, 315 1, 3 14 1, 234 1, 245 1, 3 5 1, 1 \(5 \) 1, 159 1, 276 1, 231 1, 296	Yr. 29 31 35 33 34 36 37 37 38	mo. 4 0 1 6 8 11 3 3 3 2	d. 17 7 27 22 18 3 26 5 4 21	898 930 965 919 988 919 951 1,046 999	Yr. 40 43 44 45 44 44 45 45 46	mo. 11 1 7 2 3 10 1 1 8 0	$\begin{array}{c} d.\\ 27\\ 23\\ 25\\ 7\\ 10\\ 12\\ 5\\ 1\\ 20\\ 12\\ \end{array}$	68. 29 71. 32 78. 20 73. 81 75. 71 77. 55 82. 05 81. 97 81. 15 82. 79

	20	year:	s and	ove	r.	44) year	s and	love	er.
Year.	Deaths.			Percent- age to all deaths.	all Deaths. Avera			Average age.		Percentage to all deaths.
1901-1905 1 1906-1910 1 1911-1915 1 1912-1913 1 1913 1914 1914 1915 1916 1917	764 814 865 828 876 829 840 952 894	Yr. 47 48 48 48 48 48 49 49	mo. 1 3 7 1 3 0 4 5 0	d. 1 27 20 21 27 1 25 28 9 28	58. 10 62. 43 70. 69 66. 51 67. 13 69. 96 72. 47 74. 61 72. 62 75. 69	471 496 556 533 555 527 539 626 598 656	Yr. 57 58 59 58 58 58 59 53	mo. 8 6 8 5 8 11 2 4 3 6	d. 1 22 11 24 5 9 3 1 29	35. 82 38. 00 45. 06 42. 81 42. 53 44. 47 46. 50 49. 06 48. 57 50. 62

Annual average for 5-year period.

Table 4.—Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, age, and by months, during calendar year 1917.

	Janu	ary.	Febru	iary.	Mar	ch.	Ap	ril.
Age.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day	6	2	11	4	6	5	7	3
day to 1 week	6	7 7 5	3	4	6	10	10	3 8 4
week to 1 month	3	7	4	5	7 2	2	1	8
to 2 months	3	5	3 2	2	1	3 1	5	
to 3 months	1 3	3	1	2	1	1	1	1
to 4 months	2	3	1	1	1	3		
to 6 months	1	1				1		
to 7 months	î	3	1	3	1	2	1	
to 8 months					2	1	1	
to 9 months	2					2	1	
to 10 months	1	1						
lo to 11 months	1	4			1		1	
11 to 12 months	2		1	1	2	1		
Total	32	36	27	22	29	32	28	2-
	M;	ay.	Ju	ne.	Ju	ly.	Aug	ust.
Age.								
Age.	****		****				****	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day	8	2	11	2	2	1	5	
l day to 1 week	2	4	3	5	5	4	8	
I week to I month	1	3	3	5 2	4	5	1	
1 to 2 months		2	4	2	2	5 3 4 2 3 2	7	
2 to 3 months	1		1			3	4	
3 to 4 months	1	1	1	1	1	4	2 3	
4 to 5 months 5 to 6 months		1		1	0	2	6	
6 to 7 months		3		1	6 2 2 5	9	3	
7 to 8 months	1	1		î	5	4	4	
8 to 9 months					. ĭ	2	î	
9 to 10 months	2 2	2	1	1		. 1	3	
10 to 11 months	2	1	1	1	1	3	4	
11 to 12 months			. 1	2		1	1	
Total	18	18	26	18	31	38	52	4
	Septe	ember.	Oet	ober.	Nove	ember.	Dece	mber.
Age.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day	3	3	6	5	6	5	7	
1 day to 1 week	. 3	3 2	6	5 6	9	9	7 9	
1 week to 1 month	. 1		. 3	2	4			
1 to 2 months	. 2	2	4		. 4	5	4 2 3 2	
2 to 3 months	. 5	4		4	1	• 5 3 2	3	
3 to 4 months	. 3	4	2	3	1	2	2	
4 to 5 months 5 to 6 months		5	. 1	1 2	2	1		
6 to 7 months	. 3	3		2		. 2	2	
7 to 8 months	. 3	2	i	1		- 2		
8 to 9 months	. 2	1		2			1	
9 to 10 months	. 2	6				. 2		
10 to 11 months				. 1	1	3		
11 to 12 months	. 1		. 2				1	
					-			
Total	. 40	35	31	27	28	32	31	1 :

Table 4.—Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, age, and by months, during calendar year 1917—Continued.

SUMMARY.

		Deaths.		Percentage of—				
Age.	White.	Colored.	All.	Whites under 1 year of age.	Colored under 1 year of age.	Total under 1 year of age.		
Under 1 day	78	44	122	20. 91	12.32	16, 71		
1 day to 1 week	75	67	142	20.11	18.77	19. 45		
1 week to 1 month	36	35	71	9.65	9.80	9.73		
1 to 2 months	38	29	67	10.19	8. 12	9. 18		
2 to 3 months	23	27	50	6. 17	7.56	6.8		
8 to 4 months		29	46	4.56	8. 13	6.30		
to 5 months	18	23	41	4.82	6.44	5. 62		
to 6 months	15	10	25	4.02	2.80	3.42		
to 7 months	12	23	35	3.22	6.45	4. 79		
to 8 months	17	12	29	4.56	3.36	3.97		
to 9 months	9	12	21	2.41	3.36	2.88		
to 10 months	9	18	27	2.41	5.04	3.70		
10 to 11 months		19	34	4.02	5.32	4.66		
11 to 12 months	11	9	20	2.95	2.52	2.74		
Total	373	357	730	100.00	100.00	100.00		

Table 5.—Number and age of decedents in the District of Columbia 70 years of age and over, during the calendar year 1917.

	Wh	ite.	Colo	red.			Wh	White.		red.	
Age (years).	Male.	Fe- male.	Male.	Fe- male.	Total.	Age (years).	Male.	Fe- male.	Male.	Fe- male.	Total.
0	50	46	17	27	140	87	8	12	1	4	28
1	33	33	4	7	77	88	4	îĩ		i	10
2	48	38	15	9	110	89	5	7	2	î	1
3	51	39	10	11	111	90	7	13	4	1	2
4	53	35	7	5	100	91	i	5	1	2	
5	56	37	16	12	121	92	3	4	1	1	1
6	49	37	4	5	95	93	1	1			
7	35	49	7	5	96	94	1	3		1	
8	26	32	5	4	67	95	3	3	1	1	
9	34	27	5	2	68	96	1	2		3	
0	41	31	6	16	94	99			1		
1	15	22	1	3	41	102	1				
2	28	24	1	3	56	104				1	
3	17	16	1	1	35	105				2	
4	17	26	4	1	48	106				1	
5	17	22	4	3	46						
6	14	11	2	1	28	Total	619	586	120	133	1, 458

Table 6.—Number of deaths in hospitals and other public institutions in the District of Columbia during the calendar year 1917.

Place of death.	White.	Colored.	Total.
Bruen Home.	2		2
Baby Hospital camp Chevy Chase Sanitarium Columbia, Messital	12	7	19 2
	41	28	69
Children's Hospital Casualty Hospital Bantist Hospital	74 84	47 51	121 135
	1		1
	3		3
Episcopal Eye, Ear, and Throat Hospital Emergency Hospital	170	72	242
		334	331
Florence Crittenden Home - Georgetown Visitation Convent -	3		3
	82	71	153
Georgetown Hospital George Washington Hospital	107 92	19	126 92

Table 6.—Number of deaths in hospitals and other public institutions in the District of Columbia during the calendar year 1917—Continued.

Place of death.	White.	Colored.	Total.
Edes Home	1		1
Hebrew Home for Aged Home for Aged and Infirm (Blue Plains)	1 12	28	40
Interstate Old Folks' Home		1	1
John Fickson Home	28		37
Louise Home	3	9	30
Masonic and Eastern Star Home	5		5
Martha Home	1		1
Methodist Home for Aged	2 45	22	67
National Homeopathic Hospital	6	22	6
National Training School (Boys)		1	1
Epiphany Church Home	2		2
Providence Hospital	184	26	210
Rupperts' Home St. Vincent Orphan Asylum.	9	••••••	9
St. Ann's Asylum.	10		10
St. John's Orphanage	1		1
Sibley Hospital	153 299	105	153 404
St. Elizabeths	72	105	177
United States Soldiers Home.	87	3	90
United States Naval Hospital	19		19
Washington Barracks	2 2		2
Washington Home for Foundlings	5		i
Washington Home for Incurables.		1	18
Washington Cancer Sanitarium	2		2
Washington Asylum Hospital	82 57		82
Walter Reed Hospital	57	3	60
Total	1,790	933	2,723

Table 8.—Places of interment or other disposition of remains in the District of Columbia during the calendar year 1917.

Places of interment.	Persons	dying in I i Columbia.	istrict of	Persons b	rought into	District
races of interment.	White.	Colored.	Total.	White.	Colored.	Total.
Ahove Sholom	18		18	1		
Adas Israel	18		18	1		1
Arlington National	289	56	345	40		40
Anatomical Board	16	77	93			-
Congressional	477		477	68	1	68
Clesaretgradd	7		7	2		9
Glenwood	423		423	92		92
Georgetown College	1		1	92		92
reorgetown Contege	3		3	• • • • • • • • • • • • • • • • • • • •		
Georgetown Convent	58			*******		
Holy Rood		11	69	11		11
larmony	1	475	476		45	4.
ee's Crematorium	42		42	17		1
Mount Olivet	600	175	775	68	10	7
Municipal Crematorium	71	198	269	6	2	1
Mount Zion	1	256	257		12	1:
Methodist	21		21	2		
Morre's	1	93	94	~	4	
Macedonia		7	7		*	
National Capital Hebrew	17		17			• • • • • • • • • • • • • • • • • • • •
Oak Hill	111	•••••				
Prospect Hill	139		111	41		4
Dettanta 6-13		1	140	9		
Potter's field	2	6	8		1	
Payme's	2	383	385		16	1
Rock Creek	394		394	96		9
Sent out of I istrict of Columbia	1,080	463	1,543	36	15	5:
St. Elizabeth	64	41	105			
St. Mary's	78		78	10		10
St. Albans Cathedral				i		_
Talmund Torrah	4		4			
United States Soldiers' Home	84	4	88			
Union Baptist	0.	37	37		1	• • • • • • • • • • • • • • • • • • • •
Veitch	1	i	2		1	
Washington Hebrew	27	1	27	8		
Woodlawn.	20	222		8		
	20	333	353		27	2
Total	4,070	2,617	6,687	509	133	642

Table 9.—Estimated population, deaths (stillbirths excluded), and death rate in the District of Columbia, by race and calendar years, from 1901 to 1917.

	1	Population	ı.		Deaths.		D	eath rates	
Year.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1901-1905 ¹ 1906-1910 ¹ 1911-1915 ¹ 1911 1912 1912 1913 1914 1915 1916 1916 1916		93, 719 96, 696 98, 281 98, 159 98, 676 98, 144 97, 615 98, 809 99, 143 102, 618	311, 325 336, 940 353, 443 349, 568 352, 936 353, 297 353, 664 357, 749 359, 997 395, 947	3, 395 3, 626 3, 665 3, 739 3, 606 3, 568 3, 493 3, 918 3, 953 4, 070	2, 647 2, 678 2, 523 2, 564 2, 653 2, 438 2, 373 2, 587 2, 541 2, 617	6, 042 6, 304 6, 188 6, 303 6, 259 6, 006 5, 866 6, 505 6, 494 6, 687	15.60 15.09 14.35 14.87 14.18 13.98 13.64 15.13 15.15	28. 20 27. 69 25. 63 26. 12 26. 89 24. 84 24. 31 26. 18 25. 63 25. 50	19. 41 18. 71 17. 49 18. 03 17. 73 16. 99 16. 59 18. 18 18. 04

¹ Annual average for 5-year period.

Table 10.—Deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years.

			Jai	nuar	y.				Feb	ruar	y.				Ma	rch.		
Calendar year.	1	Whit	e.	С	olore	d.	1	Vhit	e.	C	olore	d.	1	Whit	e.	C	olore	d.
	M.	F.	T.	M.	F.	т.	M.	F.	T.	M.	F.	Т.	M.	F.	T.	M.	F.	T.
1901–1905 ¹ 1906–1910 ¹ 1911–1915 ¹	21 19 16	16 15 13	37 34 29	30 22 17	22 19 15	52 41 32	21 21 18	18 15 13	39 36 31	28 21 19	21 18 15	49 39 34	26 25 21	16 19 15	42 44 36	22 30 18	18 21 14	44 5 3
1911 1912 1913 1914	18 18 20 11	17 20 13 11	35 38 33 22	21 20 14 15	16 17 22 10	37 37 36 25	14 22 21 15	9 12 14 14	23 34 35 29	22 11 20 25	16 17 16 18	38 28 36 43	15 30 19 21	18 17 11 20	33 47 30 41	12 12 21 13	12 17 15 12	24 49 30 24
1915. 1916. 1917.	12 20 21	7 11 11	19 31 32	16 15 17	9 6 19	25 21 36	17 20 15	17 16 12	34 36 27	17 13 11	8 13 11	25 26 22	20 18 12	8 15 17	28 33 29	32 10 16	16 15 16	48 28 32
			Ap	ril.	-				Ма	y.	-	1			Jui	10.	-	
Calendar year.	7	Vhit	е.	С	olore	d.	V	Vhit	e.	C	olore	d.	v	Vhit	e.	C	olore	d.
	М.	F.	т.	M.	F.	Т.	М.	F.	T.	м.	F.	т.	M.	F.	T.	M.	F.	T.
1901-1905 1 1906-1910 1 1911-1915 1	17 20 19 22	14 15 13 16	31 35 32 38	23 19 16 15	18 19 15 15	41 38 31 30	18 16 15 23	13 13 11 10	21 29 26 33	16 19 19 17	19 15 11 12	35 34 30 29	30 24 15 14	19 20 10 13	49 45 25 27	44 39 21 18	30 32 13 7	74 71 34 25
1912 1913 1914 1915 1916 1917	25 16 16 17 18 12	13 14 7 15 12 16	38 30 23 32 30 28	25 14 11 15 7 13	22 12 15 12 8 11	47 26 26 27 15 24	12 14 9 17 21	9 8 9 17 12 7	21 22 18 34 33 18	15 14 20 17 18 8	15 9 11 9 10	30 23 31 26 28 18	20 18 11 11 15 14	6 17 7 9 13 12	26 35 18 20 28 26	22 35 17 16 14 10	18 19 12 10 8	26 26 26 26 27 18

¹ Annual average for 5-year period.

Table 10.—Deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years—Continued.

			Ju	ly.					Aug	ust.				8	Sept	embe	r.	
Calendar year.	v	Vhite	e.	C	olore	d.	v	Vhit	э.	C	olore	d.	v	Vhite	е.	C	olore	d.
	M.	F.	т.	М.	F.	T.	M.	F.	T.	М.	F.	T.	М.	F.	т.	М.	F.	т.
901-1905 1	52	40	92	56	55	111	33	22	55	39	35	74	22	19	41	25	23	4
906-1910 1	47	33	80	46	45	91	36	29	65	32	29	61	27	19	46	24	21	3
911-1915 1	31 50	22 39	53 89	26 34	26 44	52 78	25 40	18	67	24 27	20 30	44 57	23 17	17 22	40 39	21 24	18 15	3
911	33	18	51	32	35	67	22	18	40	32	22	54	27	11	38	18	19	1 3
913	33	24	57	26	24	50	18	13	31	22	12	34	19	16	35	21	21	1
914	21	14	35	22	16	38	23	13	36	22	18	40	20	19	39	20	ii	1
15	20	14	34	18	12	30	24	18	42	19	18	37	31	16	47	21	24	1
016	30	25	55	35	21	56	30	17	47	17	26	43	18	18	36	23	19	
917	20	11	31	21	17	38	32	20	52	24	17	41	23	17	40	17	18	

			Octo	ber.				1	Nove	mbe	r.			3	Dece	mbe	г.	
Calendar year.	v	Vhite	э.	Co	olore	d.	v	Vhite	е.	C	olore	d.	V	Vhite	э.	C	olore	d.
	M.	F.	т.	М.	F.	т.	M.	F.	т.	М.	F.	т.	М.	F.	т.	M.	F.	T.
1901–1905 ¹	22 21	17 17	39 38	27 25	20 18	47 43	19 20	14 14	33	18 20	15 20	33 40	15	12 13	27 34	24 22	22 16	46 38
1911–1915 ¹	18 18	15 19	33 37	18 26	14 18	32 44	18 22	13 10	31 32	17 17	16 20	33 37	21 20 23	13 12 14	32 37	15 13	14 16	29 29
1912 1913	19 15 9	11 13 16	30 28	21 15 16	20 13	41 28 28	21 13	14 17	35 30	17 14 20	13 20	30 34	16 22	13 12	29 34	20 16	12 13	32 29
1914 1915 1916	28 22	18 17	25 46 39	16 14 18	12 17 12	31 30	18 15 7	11 13 10	29 28 17	19	9 16 13	29 35 19	17 24 18	11 10 10	28 34 28	11 15 18	16 10 8	27 25 26
1917	18	13	31	11	16	27	18	10	28	16	16	32	15	16	31	17	17	34

SUMMARY.

Colondon wasn	Wh	ite.	Colo	red.	G	Frand total.	
Calendar year.	Male.	Female.	Male.	Female.	White.	Colored.	Total.
901-1905 1	297	218	353	297	515	650	1,16
906-1910 1	297	225	319	273	522	592	1 11
911-1915 1	239	172	231	193	411	424	1, 11
911	276	214	246	221	490	467	95
912	265	162	245	227	427	272	89
913	228	172	232	196	400	428	82
914	191	152	212	160	343	372	71
1915	236	162	219	161	398	380	77
916	237	176	194	159	413	353	76
1917	211	162	181	176	373	357	73

¹ Annual average for 5-year period.

Table 11.—Deaths (stillbirths excluded) in the District of Columbia, by race, under 5 years of age.

Calendar year.	White.	Colored.	Total.
1901–1905 ¹ . 1906–1910 ¹ . 1911–1915 ¹ . 1911. 1912. 1913.	687 685 534 643 536 550 438	896 792 578 659 644 580 492	1,583 1,477 1,112 1,302 1,180 1,130
1915. 1916. 1917.	FOC	513 496 490	1,019 1,030 1,000

Table 12.—Births (stillbirths excluded), decedents under 1 year, and death rates based on reported births, for the years during and since the calendar year 1901.

		White.			Colored.			All.	
Years.	Births.	Deaths under 1 year	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.
1901–1905 ¹ 1906–1910 ¹ 1911–1915 ¹ 1916.	3, 429 4, 632 4, 794 5, 042 5, 291	519 522 411 413 373	151 113 86 82 71	1, 980 2, 268 2, 234 2, 216 2, 228	650 592 424 353 357	328 261 189 159 160	5,409 6,900 7,028 7,258 7,519	1,169 1,114 835 766 730	216 161 119 106 97

¹Annual average for 5-year period.

Table 12a.—Deaths (stillbirths excluded) of infants under 1 day, and from 1 day to 1 week old, in the District of Columbia, with corresponding death rates based on registered births, during the calendar years 1901–1917, inclusive.

Years.	Regist	ered b	irths.		ths 1 d			ath railer 1 c			ths day			ath r	
	w.	C.	All.	w.	c.	All.	w.	c.	All.	w.	c.	All.	w.	C.	A11.
1901–19051 1906–19101 1911–19151 1916	3, 429 4, 632 4, 794 5, 042 5, 291		6,900 7,028 7,258	78 81	54 53 51 43 44	131 132	16. 8 16. 9 17. 6	23. 4 22. 8 19. 4	18. 9 18. 7 18. 2	88 70 74	62	157 132	19. 0 14. 6 14. 7	27.8 28.0	22. 8 18. 8 18. 7

1 Average for 5-year period.

Table 13.—Deaths (stillbirths excluded) and death rates in the District of Columbia, by race and by months, from 1901 to 1917, inclusive.

		J	anuar	у.			F	ebrua	ry.				March	1.	
	W	hite.	Col	ored.	rate	w	hite.	Col	ored.	rate	W	hite.	Cole	ored.	rate
Calendar year.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000
901-1905 1 906-1910 1 911-1915 1 912 913 914 915 916 917	323 338 344 355 365 311 353 335 399 437	148 140 135 141 144 122 138 129 153 149	251 237 224 230 229 226 208 228 246 259	268 245 228 234 232 230 213 231 248 252	184 170 161 167 168 152 159 157 179 176	307 325 340 323 356 345 310 367 353 367	141 135 133 128 140 135 121 142 135 125	228 224 217 212 211 222 219 219 208 227	243 231 220 215 214 226 224 222 209 221	171 163 157 153 160 160 150 164 156 150	332 343 374 370 358 340 368 432 418 399	152 142 146 147 141 133 144 167 160 136	226 257 240 215 248 216 245 276 234 260	241 264 244 219 251 220 251 279 236 253	17 17 17 16 17 15 17 19 18 16

1Average for 5-year period.

Table 13.—Deaths (stillbirths excluded) and death rates in the District of Columbia, by race and by months, from 1901 to 1917, inclusive—Continued.

		I	April.					Мау.					June.		
	Wh	ite.	Colo	red.	rate	Wh	ite.	Colo	red.	rate	Wh	ite.	Colo		rate
Calendar year.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.	Deaths.	Monthly death rateper 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 109,000 population.
1901-1905 \ 1903-1910 \ 1911-1915 \ 1911-1915 \ 1912-1913 \ 1914-1915 \ 1915-1916 \ 1917	287 314 327 330 324 321 296 364 353 344	132 131 128 131 127 126 116 140 135 117	217 228 227 221 231 209 233 239 226 217	231 235 231 225 234 213 239 242 228 211	162 161 156 158 157 150 150 168 161 142	251 282 289 301 257 306 297 283 310 334	115 117 113 119 101 120 116 109 119 114	201 206 202 205 232 190 179 195 197 188	214 213 205 208 235 203 183 197 199 183	145 145 139 145 138 143 135 134 141 132	253 280 261 261 254 287 247 254 271 294	116 116 102 103 100 112 96 98 104 100	231 223 193 176 192 210 182 206 173 181	246 230 196 179 195 214 186 208 174 176	155 149 128 125 126 140 121 129 123 120
			July.				1	Augus	it.			Se	ptem	er.	
	W	hite.	Cole	ored.	rate	Wi	nite.	Col	ored.	rate	W	hite.	Colo	ored.	rate
Calendar year. 1901-1905 1 1906-1910 1	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.
1901-1905 1 1906-1910 1 1911-1915 1 1911 1912 1913 1914 1915 1916 1917		144 134 117 146 106 119 102 116 114 89	282 268 221 252 254 218 191 189 248 217	300 2777 224 2577 257 222 196 191 250 211	148 147 128 137 152	253 267 258 265 284 245 239 257 265 307	116 111 101 105 112 96 93 99 102 105	227 216 205 210 233 177 190 215 223 209	242 223 208 214 236 180 195 218 225 204	137 146 119 121 132 136	237 264 261 255 235 262 258 294 282 291	109 110 102 101 92 103 101 114 108 99	186 194 187 190 185 178 186 198 217 227	198 201 190 193 187 181 191 200 219 221	136 136 127 127 118 125 126 138 139
			Octob	er.			N	ovem	ber.			I	Decem	er.	
	W	hite.	Co	lored.	rate	w	hite.	Co	lored.	rate	w	hite.	Col	ored.	rate
Calendar year.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death	Monthly death per 100,000	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death	Monthly death per 100,000	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death per 100,000 population.
1901-1905 ¹ . 1906-1910 ¹ . 1911-1915 ¹ . 1911 . 1912 . 1913 . 1914 . 1915 . 1916 . 1917	270 278 285 301 294 266 240 303 303 303	1 119 4 116 0 102 6 96 8 119 3 116	237 229 189 179 200 182	21 21 24 23 23 20 19 18 20 20 21 21 23	1 154 2 148 2 127 3 120 2 142 3 135	278 287 306 337 341	117 109 112 120 130 131	196 201 211 202 211 183 196 187	200 200 211 2 200 211 1 181 1 191 1 181	3 141 142 5 144 5 136 5 141 7 138 8 149 9 147	334 330 318 331 301 313 387 360	130 118 122 149 134	217 224 200 205 207 183 178 226 200 234	231 232 202 209 210 187 182 239 203 228	165 166 150 150 152 137 139 171 156 156

¹ Average for 5-year period.

Table 14.—Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below.

		1	Aneu					Ang	ina j	ecto	ris.				$\mathbf{A}_{]}$	3 pople	exy.		
Year.	D	eath	s.		th r:		D	eath	3.		th ra		I	Deat	hs.		Deat per 1	h ra	tes
	w.	с.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	Ta	. W	7.	c.	To- tal.
901-1905 \\ 906-1910 \\ 906-1910 \\ 911-1915 \\ 912 \\ 912 \\ 913 \\ 914 \\ 915 \\ 916 \\ 917 \\ 917 \\ 917 \\ 917 \\ 917 \\ 917 \\ 918 \\ 917 \\ 918 \\ 918 \\ 917 \\ 908	4 6 7 8 8 8 2 7 9 4 8	3 7 8 4 9 12 . 6 9 23 12	7 13 15 12 17 14 13 18 27 20	1.8 2.5 2.7 3.2 3.1 .8 2.7 3.5 1.5 2.7		4.2	18 15 20 21 19 15 19 25 22 34	4 4 5 2 8 5 4 5 8 1	23 30 30	6. 2 7. 8 8. 3	5. 1 8. 1	7.1 5.6 7.1 6.5 7.6 5.6 6.5 8.4 8.3 8.8	304	3 11 3 14 1 14 5 13 1 13	1 32 0 41 3 40 4 39 4 39 6 41 1 45 9 40	27 90 3 106 9 103 9 104 55 95 9 110 57 118 53 116	0.01 3.91 3.81 4.21 3.31 3.51 3.51	14. 8 42. 2 45. 6 35. 8 36. 5 39. 3 52. 8 60. 4	86. 8 97. 8 116. 7 115. 5 113. 1 108. 9 118. 5 127. 7 128. 7
		Art	erios	t cler	osis.			В	right	5 's dis	sease				Cirı	hosi	6 s of l	iver	
Year.	D	eath	s.		th r		D	eath	s.		eath er 100			D	eath	s.		ath 1 r 100	ates
	w.	c.	To- tal.	w.	c.	To-	w.	c.	To-	w.	c.		o- il.	w.	c.	To-	w.	c.	Total
901-1905 ¹ 903-1910 ¹ 911-1915 ¹ 911- 912 912 913 914 915 916 917	29 71 93 85 82 86 116 122 153 112	6 13 22 19 23 8 27 32 26 32	84	29.5	13. 4	11. 2 24. 9 33. 9 29. 7 29. 7 26. 6 40. 4 43. 1 49. 7 36. 4	283	127 159 197 188 182 163 225 221 207 242	544 525 504 489 583 613 588	107. 1 117. 8 135. 8 134. (126. 8 125. 8 141. 7 151. 4 146. 1 135. 3	3 164. 3 200. 3 191. 5 184. 3 171. 7 230. 1 223. 1 203.	5 13 1 15 5 15 5 14 2 13 5 16 7 17 8 16	1.2 3.7 0.2 2.8 3.4 6.2 1.3	27 33 34 40 53 27 30 43 28 34	7 10 8 4 6 10 11 8 6	43 42 44 39 37 41 51 34	13. 7 13. 3 15. 9 13. 0 10. 6 11. 7 16. 6	10.3 8.0 4.1 6.1 10.3 11.3 8.1 6.1	5 10. 9 5 12. 8 1 12. 6 1 11. 6 2 10. 4 3 11. 6 1 14. 2 1 9. 4 3 10. 1
			Diat				Dia			8 d ent		s (uı	n-			iea a			
Year.	D	eath	ıs.		th r	ates 000.	D	eath	s.		eath er 100			D	eath	s.		ath 1	ates
	w.	c.	To- tal.	w.	c.	To-	w.	c.	To- tal.	w.	c.		o-	w.	c.	To- tal.	w.	c.	To tal
901-1905 ¹ 903-1910 ¹ 911-1915 ¹ 911 912 912 913 914 915 916 917	46	13 6 11 12	41 58 50 45 59 64 72 63	15. 4 19. 5 18. 3 15. 7 18. 0 22. 6 23. 6 21. 4	4.1 8.0 4.1 5.1 13.3 6.1 11.1 12.1	9. 9 12. 2 16. 3 14. 3 12. 8 16. 7 18. 1 20. 1 18. 8 16. 4	123 81 124 77 85 48 71 74	177 111 133 110 123 94 96 101	305 192 257 187 203 142 167 175	30.3 33.3 18. 27.	9 210. 3 183. 7 112. 3 135. 3 111. 3 125. 7 96. 4 97. 3 101.	5 5 5 4 5 3 4 4 1 9 4	3.8 0.5 4.2 3.5 3.0 3.9 0.1 6.7 3.6 7.3	56 50 43 50 44 45 37 38 37 46	26 22 20 20 19 23 20 20 27 27	72 63 70 63	20.8 16.8 19.9 17.3	22. 20. 20. 19.	7 26. : 7 21. : 3 17. : 4 20. : 3 17. : 4 19. : 5 16. : 2 16. : 2 17. :

¹ Annual average for 5-year period.

Table 14.—Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.

	I	Disea		of the	heart			D	11 ysen	tery				1	1: Epile			
Year.	D	eaths	s.		th ra 100,0		De	eaths	s.		th ra		D	eath	s.		th r.	
	w.	c.	To- tal.	w.	с.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To-
901-1905 1 906-1910 1 911-1915 1 911-1915 1 912- 913- 914- 915- 916- 917-	332	216 236 277 266 312 277 227 301 228 283	568 738 659 786 736 657 853 716	127. 3 138. 3 180. 5 156. 3 186. 4 179. 9 167. 9 213. 1 187. 1 168. 4	244. 1 281. 3 271. 0 316. 2 282. 3 232. 6 304. 6 230. 0	168, 6 208, 5 188, 5 222, 7 208, 2 185, 8 238, 4 198, 8	13 7 4 5 5 3 4 5 3 4	10 9 3 6 4 3 1 2 3 3	23 16 7 11 9 6 5 7	2.9 1.6 1.9 2.0 1.2 1.6 1.9	3.1	3.1 2.5 1.7 1.4 2.0	6 10 17 10 6 12	11 13 13 13 10 9	22 21 19 23 30 20 15 18	5. 4 3. 9 2. 4 3. 9 6. 7 3. 9 2. 3 4. 6	10. 7 9. 3 11. 1 13. 2 13. 1 10. 3 9. 1 6. 1 16. 5	6. 8 5. 9 6. 8 8. 8 5. 0 4. 2
				13 tritis.						4 ppe.					1 Insa	5 nity		
Year.	D	eath	s.		ath ra r 100,0		D	eath	s.		th r.		Г	eath	ıs.		ath r	
	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To-	w.	c.	To- tal.	w.	c.	To-	w.	c.	To tal
1901-1905 1 1906-1910 1 1911-1915 1 1911-1915 1 1912 1 1912 1 1914 1 1915 1 1916 1 1917 1	. 41 . 25 . 34 . 31 . 23 . 25 . 13	32 29 34 31 33 23 26 20	54 69 62 56 49 39 34	17.1 9.8 13.5 12.1 9.0 9.8 9.8 5.0	29. 5 34. 6 31. 4 33. 6 23. 6 26. 3 20. 2	21. 7 15. 3 19. 5 17. 5 15. 8 13. 5 10. 9	52 40 41 28 30 34 70 71	31 44 41	96 71 67 62 49 65 114	21. 6 15. 7 16. 3 11. 0 11. 8 13. 2 27. 0	40. 5 45. 5 31. 5 26. 5 34. 4 19. 4 31. 8 44. 5 41. 4	28. 8 20. 1 19. 1 17. 8 18. 3 31. 9	5 25 41 34 5 36 8 40 8 59 9 39	11 22 1 15 1 12 2 20 3 29 3 29 2 25	60 49 60 60 9 87 71	13. 8 14. 1 15. 6 22. 6 15. 1	8. 8. 8. 8. 11. 4 122. 3 5 15. 3 12. 1 5 20. 4 3 29. 3 9 25. 3 5 33. 1	1 13. 1 17. 7 24. 3 19. 2 21.
		Mala	16 rial	fevers			Mali		7 t gro	wth	s.		Pne	umo	18 nia,	all fo	orms	
Year.	De	aths		Death per 10			eath	s.	De	ath er 100	rates		Dea	ths.		Deat per	th ra 100,0	tes 00.
	w.	c.	ro- al.	w. c	To tal	w.	c.	To-	w.	c.	Total		v. c	T ta	o- 1.	v.	с.	To-
1901-1505 ¹	12 5 2 2 5 3 1 2 1	11 6 1 2 3	23 11 3 4 8 3 2 3 5	2.0 3 1.2 .4 1 .7 1	3. 2. 3	2 212 8 259 . 215 1 245 3 278 8 259 6 301 8 294	64 80 71 78 73 85 91 93	276 339 286 323 351 344 392 387	88. 101. 85. 96. 109. 101. 116. 112.	7 93.	2 81 2 95 3 81	8 2 8 2 5 2 8 3 6 3	246 3 262 2 278 3 251 2 207 2 242 2 333 3 305 2	04 5 85 5 10 5 74 5 277 4 26 4	507 10 550 10 547 10 588 11 525 9 184 8 168 9 571 12 504 11	2.53 2.62 0.53 8.72 1.12 4.42	14.0 89.5 15.7 77.7 82.2 31.5	163. 154. 168. 148. 137. 132. 187.

¹ Annual average for 5-year period.

 ${\it Table~14.-Number~of~deaths~and~relative~mortality~of~certain~s~pecified~diseases,~contagious~and~otherwise,~for~the~years~mentioned~below--Continued~.}$

	Rh	eum	atisn	19 1, ac onic.	ute	and			Rah				So	fteni	ng o	1 the	brai	n.
Year.	D	eath	s.		th ra		D	eath	s.		th r:		D	eath:	s.		th ra	
	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To-	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To-
1901-1905 ¹ 1906-1910 ¹ 1911-1915 ¹ 1911-1915 ¹ 1912 1912 1913 1914 1915 1916.	25 20 15 17 13 13 22 13 13 16		33 19 18	11. 5 8. 3 5. 9 6. 7 5. 1 5. 1 8. 6 5. 0 5. 0 5. 5	11. 4 9. 1 8. 1 8. 1 10. 2 11. 2 6. 1 5. 0	9. 2 6. 8 7. 1 5. 9 6. 5 9. 2 5. 3 5. 0	 1 1	i	1 1 1 1 1	. 4		0.3	11 3 4	2	18 21 8 11 16 3 8 4 2	8.7 2.3 3.9 4.3 1.2 1.5	1. 0 5. 1 4. 1 2. 0	6. 2
			Sui	22 cides.			Ste	amr	2 aılro		cide	nts.	Stre	et r	2 ailro	4 ad ac	cide	nts.
Year.	D	eath	s.		ath ra		D	eath	s.		th r:		D	eath	s.		th r. 100,	
	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To-	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To-
1901-1905 1 1906-1910 1 1911-1915 1 1911 1912 1913 1914 1915 1916 1917	46 62 71 78 80 64 59 76 77	5 9 10 11 9 8 8 11	89 89 72 67 87 88	21. 1 25. 8 27. 8 31. 0 31. 6 25. 1 22. 7 29. 3 29. 4 22. 7	5.3 9.3 10.2 11.2 9.2 8.1 8.1 11.1 11.0 8.8	22. 9 25. 5 25. 1 20. 5 18. 9 24. 3	18 18 7 3 13 7 5 5 5	6 7 1 2 2 2 2 2 2 2 2	24 25 8 5 15 9 7 5 8 13	7. 5 2. 7 1. 1 5. 1 2. 7 2. 0 1. 9 1. 9	7. 2 1. 0 2. 0 2. 0 2. 0 2. 1	1. 4 4. 2 2. 5 2. 0 1. 4 2. 2	12 11 16 9 13 10 6	2 4 3 6 3 1 4 2 3 8	8 15 15 17 19 10 17 12 9 20	4.7 4.3 6.2 3.5 5.1 3.8	3.0 6.1 3.0 1.0 4.1 2.1 3.0	4. 9 5. 3 2. 8 4. 8 3. 3 2. 5

¹ Annual average for 5-year period.

Table 15.—Deaths in the District of Columbia from cancers and other malignant tumors by race and sex, for the years mentioned below.

	Whi	te.	Color	ed.		Total.	
Calendar years.	м.	F.	м.	F.	М.	F.	All.
1901-19051 1906-1910 1 1901-1913 1 1911-1913 1 1911-1913 1 1912-1912-1913 1913-1914-1915 1916-1916-1917	61 88 104 83 99 114 103 121 122 143	105 124 156 132 146 164 156 180 172 202	14 17 26 25 28 23 32 23 31 27	39 47 53 46 50 50 53 68 62 48	75 105 130 108 127 137 135 144 153 170	144 171 209 178 196 214 209 248 234 250	219 276 339 286 323 351 344 392 387 42.

¹ Annual average for 5-year period.

Table 16.—Deaths in the District of Columbia from cancers and other malignant growths, arranged with reference to sex, race, marital relation, age, and organs involved, during the calendar year 1917.

		Whi	te.	Color	ed.	M rel	arita	al n.						Age.					
Location.	Total.	Male.	Female.	Male.	Female.	Married or widowed.	Single.	Unknown.	Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years and over.
Head, face, neck, etc.: Jaw Lip. Mouth Palate Tongue Tonsil. Face. Ear Eye Larynx Neck Throat Thyroid Digestive system: Item occupance Penace Cospopagus Pancreas Stomach Female genitals: Breast Citoris Ovary	8 2 2 1 13 1 7 7 1 4 6 6 1 1 1 5 5 6 7 5 9 2 4 3 1 4	3 1 1 1 10 14 4 4 1 17 19 6 3 3 37	1 1 3 28 32 1 1 32 38 1 4	1 1 2 1 4 4 12	3 1 1 1 1 1 11 5	7 1 2 11 1 3 6 1 1 1 41 46 5 4 70 29 1 3	1 1 1 2 1 1 1 9 10 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 2 1				1	1 1	1 1 1 3 1	3 1 2 1 5 9 1 3 16 12	1 1 1 5 1 1 1 2 2 15 17 2 2 23 8	1 1 2 1 1 1 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1	1 2 3 	1 2 6 2 2 2 6	
Uterus Unclassified: Abdomen Arm. Axilla Bladder Bone Chest. Generalized Glands Kidneys Lung. Mediastinum Pelvis Penis Prostate Shoulder Spine. Viscera	. 10	1 4 1 1 1 1 1 1 1 1 1 2	38 2 1 1 8 1 3 1 2 1 1 2 2 1	1 1 27	19	51 2 1 2 13 3 1 1 5 3 2 1 1 1 8 1 1 1 2 1 2 1 3 1 1 1 1 2 1 1 1 1 2 1 1 1 1	1 2 2 80				. 1	2	1 1 2 27	16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2 2 2 2 103	10 1 5 2 2 1 1 3 1 1 1 105	5 2 1 1 9 1 1 1 1 2 4 81	22	

Table 17.—Anterior poliomyelitis, acute: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1912 to 1917, inclusive.

Year.]	Deat!	hs.	Deat 1	h rate 00,000	es per).		Case	es.		e rate 100,000 pulatio) Î		rcentage leaths t cases.	
	w.	C.	Total.	w.	c.	Total.	w.	C.	Total.	w.	c.	Total.	w.	c.	Total
1912. 1913. 1914. 1915. 1915. 1916.		4 1 2 2 1	1 2 2 6 2	1.9	4. 1 1. 0 2. 1 2. 0 1. 0	1.1 .3 .5 .6 1.6	6 4 6 4 5 32 4	4 1 2 2 2 7 2	10 5 8 6 7 39 6	2.4 1.6 2.3 1.6 2.0 12.3 1.4	3.0 1.0 2.0 2.0 2.0 7.1 1.9	2.5 1.4 2.3 1.7 2.0 10.8 1.5	15. 6 50. 0	50, 0 100, 0 100, 0 14, 3	40. 12. 33. 28. 15. 33.

Annual average for 5-year period.

Table 17a.—Anterior poliomyelitis, acute: Reported cases and deaths, by race and months, during calendar year 1917.

	WI	nite.	Colo	red.	To	al.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
anuarv						
ebruary		1				
arch pril						
ay						
ne						
ugust		2	1		4	
eptember ctober ovember	1		1		2	
December						
Total	4	2	2		6	

Table 17b.—Anterior poliomyelitis, acute: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

				Colored.			Total.	
Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
1 3	1	100. 0 33. 3	1			4	1 1	50. 0 25. 0
								
	1 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cases. Deaths. cent of deaths to cases.	Cases. Deaths. cent of deaths to cases.	Cases. Deaths. deaths to cases. Deaths. 1 1 100.0 1 3 1 33.3 1 1	Cases. Deaths. cent of deaths cases. Deaths. cent of deaths cases. Deaths. deaths cases.	Cases. Deaths. cent of deaths to cases. Cases. Deaths. cent of deaths to cases. 1 1 100.0 1 2 2 3 1 33.3 1 2 4	Cases. Deaths. cent of deaths to cases. Cases. Deaths. cent of deaths to cases. Cases. Deaths. 1 1 100.0 1 2 1 1 3 1 33.3 1 4 1

Table 18.—Chicken pox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1907 to 1917, inclusive.

Year.]	Deat	hs.		th rate 100,000		Case	s repo	rted.		e rate) popu	per lation.		centag tal cas	
	w.	C.	Total.	w.	c.	Total.	w.	c.	Total.	w.	c.	Total.	w.	C.	Total.
1907-191) 1911-1915 1 1911 1912 1913 1914 1915 1916 1917							478 726 411 689 906 830 795 918 1,070	160. 0 183. 0 186. 0 201. 0 138. 0 221. 0	900 571 872 1,092 1,031 933 1,139	160.6 271.0 355.1 324.1 307.0 351.9	177. 0 162. 2 195. 6 189. 5 205. 9 139. 7 222. 9	254.6 161.3 247.0 309.1 291.5 260.8 316.4			0.4

¹ Annual average for 5-year period.

Table 16.—Deaths in the District of Columbia from cancers and other malignant growths, arranged with reference to sex, race, marital relation, age, and organs involved, during the calendar year 1917.

		Whit	te.	colore	ed.	M rel	arita ation	ı.						Age.					
Location.	Total.	Male.	Female.	Male.	Female.	married or widowed.	Single.	Unknown.	Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years
lead, face, neck, etc.: Jaw. Jaw. Lip. Mouth. Palate Tongue. Tongue. Tongue. Face. Ear Eye. Larynx. Neck. Throat. Thyroid. Digestive system: Intestines. Liver Oesophagus. Pancreas. Stomach. Stomach. Breast. Clitoris.	8 2 2 1 13 1 7 7 1 4 6 6 1 1 1 50 56 7 5 92 43 1	3 1 1 1 10 1 4 4 4 1 17 19 6 6 3 37	1 1 3 3 1 28 32 1 1 32 38 1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 1 1 1 1 1 1 5	7 1 2 11 7 1 3 6 1 1 1 4 4 6 5 4 7 7 2 9	1 1 1 2 1 1 9 10 2 1 22 1 22 1				. 1	1 1 1	1 1 1 3 1 1 4 4 4	3 1 1 ····· 2 ···· 3 ···· 1 1 ···· 5 9 9 1 1 3 16 12	-	1	1 2 3 1 1 1 1 18 6 6	1 2 6 2 2 2 6	
Ovary Uterus Unclassified:	57		38		19	3 51	1 6						6	16		10	5	1	
Abdomen. Arm Axilla Bladder Bone. Chest. Generalized. Glands. Kidneys. Lung. Mediastinum. Pelvis. Penis Prostate	1 10	8 4 1 4 1 1 1	1 1 3 1 2 1 1	1 1	1	2 1 2 13 3 1 3 1 5 3 2 1 1 8	1					2	. 1	. 1	. 1 2	2	9 1 1 2 2	2	
Shoulder Spine Viscera	1 1 2			1	1	1 1 2								. i		i 1	i		

Table 17.—Anterior poliomyelitis, acute: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1912 to 1917, inclusive.

Year.	1	Deat	hs.		h rate 00,000	es per		Case	es.	:	e rate 100,000 pulati)^		cases.	
	w.	C.	Total.	w.	c.	Total.	w.	C.	Total.	w.	c.	Total.	w.	c.	Total
1912. 1913. 1914. 1915. 1912–1915 ¹ 1916.	5 2	1 2 2 1	1 2 2 6 2	1.9	1.0 2.1 2.0 1.0	1.1 .3 .5 .6 1.6	6 4 6 4 5 32 4	4 1 2 2 2 7 2	10 5 8 6 7 39	2.4 1.6 2.3 1.6 2.0 12.3 1.4	3.0 1.0 2.0 2.0 2.0 7.1 1.9	2.5 1.4 2.3 1.7 2.0 10.8 1.5	15. 6 50. 0	50. 0 100. 0 100. 0 14. 3	40. 12. 33. 28. 15. 33.

Table 17a.—Anterior poliomyelitis, acute: Reported cases and deaths, by race and months, during calendar year 1917.

	Wi	nite.	Colo	ored.	To	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
anuary						
February		·				
farch						
fay						
une						
ugust eptember	3	2	1		4	
October Sovember	1		1		2	
December						
Total	4	2	2		6	

Table 17b.—Anterior poliomyelitis, acute: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year	3	1	100. 0 33. 3	1			2 4	1 1	50. 0 25. 0
10 to 19 years 20 to 29 years 30 to 39 years 40 to 49 years									
50 to 59 years 60 to 69 years 70 years and over									
Total	4	2	50.0	2	0		6	2	33. 3

Table 18.—Chicken pox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1907 to 1917, inclusive.

Year.]	Deat	hs.		th rate 100,000		Case	s repo	rted.		e rate popu	per lation.		centag tal cas	
	w.	C.	Total.	w.	c.	Total.	w.	C.	Total.	w.	C.	Total.	w.	C.	Total.
1907-191) 1911-1915 1 1911 1912 1912 1913 1914 1915 1916							478 726 411 689 906 830 795 918 1,070		900 571 872 1,092 1,031 933 1,139	284.5 160.6 271.0 355.1 324.1 307.0 351.9	177. 0 162. 2 195. 6 189. 5 205. 9 139. 7 222. 9	161. 3 247. 0 309. 1 291. 5 260. 8 316. 4			

¹ Annual average for 5-year period.

Table 18a.—Chicken pox: Reported cases and deaths, by race and months, during the calendar year 1917.

	Wi	nite.	Cole	ored.	To	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January	115		3		118	
February	116		ï		117	
March	133		8		141	
pril	105		40		145	
fav	64		38		102	
une	57		11		68	
uly	19		5		24	
ugust	8		ï		9	
eptember	5		2		7	
October	47		8		55	
lovember	157	11111111111	19		176	
December	244		44		288	
Total	1,070	0	180	0	1,250	

Table 18b.—Chicken pox: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year	254 526 186 38 15								
Total		6		180			1,250		

Table 19.—Diphtheria: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1896 to 1917, inclusive.

Year.	I)eat	hs.		ath r 100	rates ,000.		Case	s.	Cas 100,000	e rate popu		Per deat	cent	age of cases.
	w.	c.	Total.	w.	c.	Total.	w.	c.	Total.	w.	c.	Total.	w.	c.	Total.
1901-1905 1 1905-1910 1 1911-1915 1 1911 1 1912 1 1913 1 1914 1 1915 1 1916 1 1917 1	37 24 20 16 15 22 24 22 26 28	17 8 4 3 4 7 7 7	32	10.0 7.8 6.0 6.0 9.0 9.0 8.5	3.0 4.0 7.0 7.1 7.1	10.0 6.8 5.0 4.0 7.0 9.0 8.1 9.2	391 402 428 308 451 367 459 484	90 85 79 85 185 163	507 518 393 530 452 644 647	157. 5 167. 3 121. 1 176. 7 143. 3 177. 3 185. 5	106.8 91.7 86.1 80.5 87.1 187.2 164.4	150. 0 127. 8 180. 0 179. 7	4.8 3.7 4.9 4.9 6.5 4.8 5.4	3.8 3.3 5.1 8.2 3.8 4.3	4.7 3.7 3.8 4.9 6.9 4.5 5.1

Annual average for 5-year period.

Table 19a.—Diphtheria: Reported cases and deaths, by race and months, during the calendar year 1917.

	WI	nite.	Colo	red.	To	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January. February. March April June. July August September October November December	58 48 140 36 22 18 15 8 61 217 239 80	2 3 5 2 1 1 1 2 3 2 6	3 2 2 2 3 1 1 4 140 24 8	1 1 2 4 1	61 48 142 38 25 18 16 9 65 337 263 88	2 3 5 3 1 1 1 1 2 6 6
Total	942	28	188	9	1,130	37

Table 19b.—Diphtheria: Cases and deaths, with percentage of deaths to cases, at certain age periods during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year 1 to 4 years	19 147	1 8	5. 3 5. 4	3 15	2 3	66. 6 20. 0	22 162	3 11	13.6
5 to 9 years 10 to 19 years	381 272	11 5	2.9	80 75	3	3.7	461 347	14	3.0
20 to 29 years	69	1	1.4	6			75	1	1.3
30 to 39 years	30	1	3.3	4			34	1	2, 9
40 to 49 years	12	1	8.3	4			16	1	6, 2
50 to 59 years 60 to 69 years	8	•••••		1			9		
70 years and over	1						1		
Total	942	28	3,0	188	9	4.8	1.130	37	3.3

Table 20.—Measles: Deaths and death rates, cases and case rates, per 100,000 population, and percentages of deaths to cases, according to race, from 1901 to 1917, inclusive.

Year.	1	Deat	hs.			rates),000.	C	ases		Case ra	te per pulatio	100,000 on.			age of cases.
	w.	C.	Total.	w.	C.	Total.	w.	C.	Total.	w.	c.	Total.	w.	c.	Total
901-1905 1 906-1910 1 9911-1915 1 9912 913 913 914 915 916 917	8 16 4 18 	5 3 6 3 6 1 1	15 11 22	4.0 3.1 6.0 2.0 7.0 1.5 1.5	5.0 3.1 6.0 3.0 6.0 1.0 1.0 2.0	4.0 3.1 6.0 2.0 7.0 .3 1.4 1.7	2, 188 2, 813 1, 146 4, 749 673 1, 557	635 492 964 274 383 266	3,448 1,638 5,713 947 1,940 2,642	1,099.5 450.7 1,862.2 262.8 601.3	498. 6 982. 2 280. 7 387. 6 268. 3	974.0 464.1 1,617.1 267.8 542.3	.6 .3 .4 	.9 .6 .6 .4 .3	.6

¹ Annual average for 5-year period.

Table 20a.—Measles: Reported cases and deaths, by race and by months, during the calendar year 1917.

Months.	W:	hite.	Col	ored.	To	otal.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January. February March April April May une Unly Unly September October Sovember December December	87 199 466 654 600 449 141 22 21 32 204 252	1 1 1 1 2 6	2 8 51 156 252 123 51 10 4 1 4 16	1 1	89 207 517 810 852 572 192 34 25 33 208 268	
Total	3, 129	12	678	2	3,807	1

Table 20b.—Meosles. Cases and deaths, with percentage of deaths to cases, at certain age periods during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to calles.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cares.
Under 1 year 1 to 4 years 5 to 9 years 10 to 19 years	901 1,323 338	3 1	4.1	21 207 305 100	2	1.0	95 1, 108 1, 628 438	3 3	3. 2
20 to 29 years 30 to 39 years 40 to 49 years 50 to 59 years 60 to 69 years 70 years and over	1	7 1	1. 7 2. 1	37 8			438 473 56 8 1	7 1	1. 8
Total	3, 129	12	.4	678	2	.3	3,807	14	

Table 21.—Meningitis, epidemic cerebrospinal: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.

Year.		Deat	hs.		eath r er 100,			Case	es.	p	Case r er 100 opulat	,000	Pe dea	rcentag ths to c	ge of cases.
	w.	c.	To- tal.	w.	C.	To- tal.	w.	C.	To- tal.	w.	c.	To- tal.	w.	C.	Total
901-1905 1 906-1910 1 911-1915 1 911 912 913 914 915 916 917	6 9 3 4 4 2 2 5 2 10	1 3 1 2 7	10 16 4 4 4 3 5 6 4 17	2.8 3.7 1.2 1.5 1.6 .8 1.9 .8 3.4	4.3 7.2 1.0 1.0 3.1 1.0 2.0 6.8	3. 2 4. 7 1. 1 1. 2 1. 1 . 8 1. 4 1. 7 1. 1 4. 3	4 7 4 3 4 4 4 4 20	 2 1 3 1 4 1 2 13	6 8 7 4 8 5 6 33	1. 6 2. 7 1. 6 1. 2 1. 6 1. 5 1. 5 6. 5	2.0 1.0 3.0 1.0 4.1 1.0 2.0 13.6	1.7 2.3 2.0 1.1 2.3 1.4 1.7 8.3	75. 0 57. 1 75. 0 66. 6 50. 0 100. 0 50. 0 50. 0	50. 0 33. 3 100. 0 75. 0 100. 0 100. 0 53. 8	66, 50, 57, 75, 62, 100, 66, 51,

¹ Annual average for 5-year period.

Table 21a.—Meningitis, epidemic cerebrospinal: Reported cases and deaths, by race and by months, during the calendar year 1917.

	Wi	nite.	Colo	red.	Tot	al.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January						
February			5		7	
\pril	1	2	2	î	3	
flay	5	1	1	1	6	
uneuly		3	2	1	3	
lugust			ī	î	ĩ	
eptember	1				1	· • • • • • • • • • • • • • • • • • • •
October						• • • • • • • • • • • • • • • • • • • •
Vovember	7	3			8	
Total	19	10	14	7	33	17

Table 21b.—Meningitis, epidemic cerebrospinal, cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year				1	1	100.0	1	1	100.0
1 to 4 years	1	1	100.0				1	1	100.0
5 to 9 years	3	1	33.3	2	2	100.0	5	3	60.0
10 to 19 years	4	2	50.0	7	2	28.6	11	4	36.
20 to 29 years	10	4	40.0	1			11	4	36.
30 to 39 years	1	1 1	100.0	1	1	100.0	2	2 2	100.0
40 to 49 years	1	1	100.0	1	1	100.0			100.0
50 to 59 years	· · · · · · · · · ·		• • • • • • • • •						• • • • • • • • • • • • • • • • • • • •
60 to 69 years 70 years and over	.						 .		
Total	20	10	50, 0	13	7	53. 8	33	17	51. 3

Table 22.—Pellagra: Deaths and death rates, coses and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1913 to :917, inclusive.

Year.	1	Deat	hs.		eath r			Case	s.	p	Case ra er 100,6 opulati	000	Per deat	centag hs to c	e of ases.
	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.	w.	c.	To- tal.
1913 1914 1915 1913–1915 1916 1917	2 5 2 8 5	4 12 11 9 1 9	4 14 16 11 9 14	0. 8 1. 9 . 8 3. 1 1. 7	4. 1 12. 1 11. 1 9. 2 1. 0 8. 7	1. 1 3. 9 4. 5 3. 1 2. 5 3. 5	6 6 4 11 9	4 15 16 12 5 10	4 21 22 16 16 19	2.3 2.3 1.6 4.2 3.1	4. 1 15. 1 16. 2 12. 2 5. 0 9. 7	1.1 5.9 6.1 4.5 4.4 4.8	33. 3 83. 3 50. 0 72. 8 55. 5	100. 0 80. 0 68. 7 75. 0 20. 0 90. 0	100. 0 66. 6 72. 7 68. 8 56. 3 73. 7

Annual average for 5-year period.

Table 22a.—Pellagra: Reported cases and deaths, by race and by months, during the calendar year 1917.

		Wh	ite.	Colo	red.	Tot	tal.
	Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
February March April May June July August September October November		1 1 3 1 1 1 2	1 1 1 1 1 1		1 1 1 1 1 1 2	1 1 3 2 4 1 1 4 1	
Total.		9	5	10	9	19	1

Table 22b.—Pellagra: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Inder 1 year									
Under 1 year									
to 9 years	1						2		
0 to 29 years	1	1	100.0	î	1	100.0	2	2	100.0
0 to 39 years	2	1	50.0	5	5	100.0	7	6	85.7
0 to 49 years	2	1	50.0	2	2	100.0	4	3	75.0
60 to 59 years	1			1	1	100.0	2	1	50.0
60 to 69 years	1	1	100.0				1	1	100.0
70 years and over	1	1	100.0				1	1	100.0
Total	9	5	55.5	10	9	90.0	19	14	73.

Table 23.—Scarlet fever: Death and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1896 to 1917, inclusive.

Year.		Death	ıs.	Deat	th rate 100,00	es per 0.		Case	s.	Cas 100,000	e rate popu			centa hs to	
	w.	c.	Total.	w.	c.	Total.	w.	c.	Total.	w.	C.	Total.	w.	c.	Tota
1901-1905 1	7	1.0	8	30	1.0	3.0									
1906-1910 1	9	2.0	11	4.0	2.0	3.0	480	46	526	199.5	48.0	154.9	1.9	4.3	2.
1911-1915 1	6	. 4	6	2.3	.4	1.7	402	36	438	157.5	36.6	123.9	1.5	1.1	1.4
911	4		4	2.0		1.0	250	21	271	97.7	21. 4	76. 5	1.6		1.
912	4		4	2.0	l	1.0	234	25	259	92.0	25, 3	73. 4	1.7		1.
1913	13	1.0	14	5.0	1.0	4.0	503	53	556	197.1	54.0	157.4	2.6	1.9	2.
1914	1		1	.4		.3	294	17	311	114.8	17. 4	87.9	3		-
1915	7	1.0	8	2.7	1.0	2.2	728	66	794	281.1	66.8	221.9	1.0	1.5	1.
1916	5	1.0	6	1.9	1.0	1.6	474	56	530	181.7	56.5	147. 2	1.1	1.8	î.
1917	8		8	2.7	1	2.0	540	44	584	184.1	42.8	147.5	1.5	1.0	î.

¹ Annual average for 5-year period.

Table 23a.—Scarlet fever: Reported cases and deaths, by race and months, during the calendar year 1917.

	W	nite.	Colo	ored.	To	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
anuary	50		8		58	
ebruary	37	1	6		43	
arch	47	1	7		54	
pril	51		6		57	
[av	26	2	3		29	
une	27	1	1		28	
aly	13		2		15	
ugust	8	1	1		9	
eptember	38	1	1		39	
etober	₹8		3		61	
ovember	67	1	3		7 '	
ecember	118		3		121	
Total	540	8	44	0	584	

Table 23b.—Scarlet fever: Cases and deaths with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year	3							3	
l to 4 years	93	4	4.3	7			100	4	4.0
5 to 9 years	200			19			219		
10 to 19 years	149	3	2.0	8			157	3	1.9
20 to 29 years 30 to 39 years	80 13	1	1.3	5			85 13	1	1.3
40 to 49 years	2						7		
50 to 59 years									
to to by years									
70 years and over							• • • • • • • • • • • • • • • • • • • •		
Total	540	8	1.5	44	0		584	8	1.

Table 24.—Smallpox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1917, inclusive.

Year.	1	Death	s.	Deat	h rat 100,00	es per 0.		Cases	s.	100,0	e rate 100 of p lation	pop-			age of cases
	w.	C.	Total.	w.	c.	Total.	w.	c.	Total.	w.	c.	Total.	w.	C.	Total
1901–1905 i 1906–1910 i	1.0						28	53 51	81	11.1	54.6				
911							19 23 2	13 7	36 9	7.4 9.0 .8	51.9 13.2 7.1	10. 2 2. 6			
914 915							11 53 8	129 97 7	140 150 15	4.3 20.7 3.1	131.4 99.4 7.1	42.4 4.2			
917							3 7	4	11	1.2 2.3	1.0 3.9		::::		

Table 24a.—Smallpox: Reported cases and deaths, by race and by months, during the calendar year 1917.

	w	hite.	Colo	ored.	To	tal.
Month.	Cases.	Deaths.	Cares.	Deaths.	Cases.	Deaths.
anuary						
ebruary						
farch					1	
fay			2			
uneuly						
ilgust						
eptember October						
November	2		1		3	
December	. 5				5	
Total	. 7	0	4	0	11	(

Table 24b.—Small pox: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year									
Under 1 year to 4 years									
to 9 years				2			2		
0 to 19 years 0 to 29 years	7			1					
0 to 39 years				1					
0 to 49 years							• • • • • • • • •		
0 to 69 years									
0 years and over									
Total	7	0		4	0		11	0	

Table 25.—Tuberculosis, reportable forms: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1908 to 1917, inclusive.

Year.	1)eat!	hs.	Deat 1	h rate 00,000	per	Case	s rep	orted.	100,0	rate p 00 of p lation.	opu-		eentag al case	
	w.	c.	Total.	w.	c.	Total.	w.	C.	Total.	W.	c.	Total.	w.	c.	Total.
1908-1910. 1911-1915 1 1911 1912 1913 1914 1915 1916 1917	277 318 351 326 338 263 312 297 291	451 464 421 389 422 397	747 802 790 759 652 734 694	124.6 139.6 128.2 132.5 102.3 120.5 113.9	436. 5 459. 5 470. 2 428. 9 395. 0 427. 1 400. 4	211. 3 229. 4 223. 8 214. 8 183. 4 205. 2 192. 8	567 580 577 597 529 552 527	587 644 635 584 528 543 534	1, 154 1, 224 1, 212 1, 181 1, 057 1, 095 1, 061	226. 7 223. 0 234. 0 206. 6 213. 2 202. 0	597.3 656.0 643.5 .595.0 540.9 549.5 538.6	326.5 345.7 343.4 334.2 298.9 306.1 294.7	48. 6 56. 1 60. 5 56. 5 56. 6 49. 7 56. 5 56. 4 53. 0	61. 6 73. 1 70. 0 73. 1 72. 1 73. 7 77. 7 74. 3 74. 8	64. 7 65. 5 65. 2 64. 3 61. 7 67. 0 65. 4

¹ Annual average for 5-year period.

Table 25a.—Tuberculosis, reportable forms: Reported cases and deaths, by race and by months, during the calendar year 1917.

Month.	Wh	ite.	Colo	ored.	To	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January	54	17	35	35	89	52
February	41	27	32	31	73	58
March	38	33	45	38	83	71
April	42	27	45	33	87	60
May	37	27	36	24	73	51
une	43	15	43	18	86	33
mly	52	21	42	36	94	5
August	55	29	39	22	94	5:
September	39 58	23 28	39 33	20	78	43
October November	56	22	33	34 22	91 89	62
December	34	22	35	29	69	5:
Total	549	291	457	342	1,006	63

Table 25b.—Tuberculosis, reportable forms: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1917.

		White.			Colored.		Total.				
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.		
'nder 1 year									83. 3		
to 4 years	3	2	66. 6 33. 3	15 19	13	86. 7 42. 1	18 22	15 9	83. 3 40. 9		
0 to 19 years	61	25	40.9	69	51	73.9	130	76	58. 5		
to 29 years	186	75	40.3	141	108	76.6	327	183	* 55.9		
0 to 39 years	144	75	52. 1	121	86	71.1	265	161	60.8		
0 to 49 years	77	47	62. 3	56	46	82.1	133	93	69.9		
0 to 59 years	40	38	95.0	18	17	94.4	58	35	60.3		
to 69 years	23	16	69.5	12	10	83.3	35	25	71.4		
0 years and over	12	12	100.0	6	3	50.0	18	16	88. 8		
Total	549	291	53.0	457	342	74.8	1,006	633	62.9		

Table 26.—Tuberculosis, pulmonary: Reported cases and deaths occurring in the District of Columbia from 1901 to 1917, inclusive, arranged by race and by months and years.

		Janu	ary.			Febr	uary	•		Ma	rch.			Ap	ril.	
Year.	Cas	Cases. I		Deaths.		Cases.		ths.	Cas	ses.	Dea	ths.	Cas	ses.	Dea	ths.
	w.	c.	w.	c.	w.	c.	w.	C.	w.	c.	w.	c.	w.	c.	w.	c.
901-1905 1 906-1910 1	1		33 28	43 40			31 32	41 35			35 32	38 45			36 30	4:
911-1915 ¹ 911	47	50 53	25 21	33 40	46 60	42 40	24 30	33 31	50 55	58 63	28 37	40 26	55 44	50 52	29 29	3
912 913	40 52 53	46 72	30 19	35 34	41 43	51 58	27 24	34 40	62	67 48	26 37	49	52	51 54	32 34	3 2
914	37	38	29	23	37	31	18	34 26	48	52 59	27 25	41 42	40 73	39 56	18 32	2
916 917	52 33 54	44 43 34	25 17 17	33 20 31	48 37 41	31 46 31	23 31 25	39 29	50 38	40 45	28 31	30	53 42	42 44	28 29	3

Table 26.—Tuberculosis, pulmonary: Reported cases and deaths occurring in the District of Columbia from 1901 to 1917, inclusive, arranged by race and by months and years—Continued.

		Ma	y.			Ju	ie.			Ju	ly.			Aug	ust.	
Year.	Cas	ses.	Dea	ths.												
	w.	c.	w.	c.												
1901-1905 1 1906-1910 1 1911-1915 1 1911-1912 1912 1913 1914 1914 1915 1916	48 61 44 44 43 50 50 37	53 56 65 53 37 51 56 36	29 25 27 28 31 32 22 21 27 24	37 36 36 30 48 40 28 34 38 18	43 46 41 49 38 43 40 43	48 56 57 52 41 36 37 42	31 24 25 26 21 26 23 28 22 15	36 29 32 32 44 30 25 28 26 19	52 53 56 69 50 33 40 52	51 62 48 51 54 42 53 42	23 21 27 29 25 23 33 28 21 17	35 34 33 40 48 30 28 34 32 35	37 36 40 38 37 34 44 55	39 40 40 36 32 49 47 39	27 25 22 26 20 20 22 23 14 26	37 28 29 26 27 34 30 28 38 20
	8	Septe	mbe	r.		Oct	ober.		1	Nove	mbe	r.]	Dece	mbei	г.
Year.	Ca	ses.	Dea	iths.	Ca	ses.	Dea	iths.	Ca	ses.	Dea	aths.	Ca	ses.	Dea	aths
	w.	C.	w.	C.												
1901–1905 1 1906–1910 1 1911–1915 1 1911–1915 1 1912 1913 1914 1914 1916 1916	40 36 36 40 52 36 45 39	38 31	26 18 23 16 19 21	29 35 26 30 20 24 22 35 28 21	40 34 45 39 44 39 39 58	38 43 40 33 32 42 36 33	27 25 20 27 23 16 15 20 21 25	32 35 31 37 29 25 31 32 32 32	40 39 41 50 36 33 42 55	38 46 35 36 37 39 31 32	30 19 25 23 26 24 25 26 21 23	32 35 28 35 29 25 25 29 34 22	38 34 35 29 42 50 34 34	35 51 35 19 42 30 32 35	27 29 24 25 26 31 12 26 24 22	3 3 2 3 2 1 3 3 3 1

SUMMARY.

Year.	Cas	ses.	Dea	ths.	Total.		
rear.	White.	Colored.	White.	Colored.	Cases.	Deaths.	
1901–1905 ¹ 1906–1910 ¹			354 314	438 434		792 748	
1911–1915 ¹ 1911 1912	537 538 545	549 617	299 327	386 397	1,086 1,155	68 72	
1913. 1914.	561 504	582 547 482	305 309 260	420 361 351	1, 127 1, 108 986	72 67 61	
1915	535 507 548	517 275 452	296 494 274	402 371 320	1,052 1,001 1,000	69 64 59	

¹ Annual average for 4 years.

Table 27.—Typhoid fever: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1916, inclusive.

Year.	Deaths.			Death rates per 100,000.				Case	es.		e rate 100,000		Percentage of deaths to cases.		
	W. C. Total.	w.	C.	Total	w.	C.	Total.	w.	C.	Total.	w.	c.	Total		
901-1905 ¹	99	64 46			68. 0 48. 0		660	237	897	274.3	244.9	265.9	11.0	19.6	13.0
011-1915 1	33 46	26 28	59 74	12.9 18.0	26.4 29.0	16.7 21.0	343 491	137 168	480 659	134.4 191.9	139.4 171.1	135.0 186.1	9.6 9.4	19.0 14.3	12.3
012	49 35	29	57	14.0	29.0 22.0 29.0		346	115	461	135.6	117.2	130.5	12.0 9.2	15. 1 18. 3	11.
14 15	17 20 25	28 22 21	45 42 46	7.7	29.0 22 3 21.2	13.0 11.7 12.7	230 250 212	109 109 96	359		110.3	100.3	7.4 8.0 11.8	24.5 20.2 21.9	11.
917	15	34	49		33. 1	12.4		122			118.0			27. 9	

¹ Annual average for 5-year period.

Table 27a.—Typhoid fever: Reported cases and deaths, by race and by months, during the calendar year 1917.

Month.	W	nite.	Cole	ored.	То	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January February	7 6 9		4 1	3	11 7 9 13	3
May une uly August	7 12 17 39	2	3 3 9 29	1 1 2	10 15 26 68	10
September October November December	45 28 26	2 2 2	36 26 6	10 6 2	81 54 32 12	1
Total	216	15	122	34	338	49

Table 27b.—Typhoid fever: Cases and deaths, with percentage of deaths to cases at certain age periods, during the calendar year 1917.

		White.			Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year	- 11	1 2	100.0 18.2	5	4	80.0	1 16 32	1 6	100.0 37.5
	55	3	5.4	10 43	8	18.6	98	11	11.2
20 to 29 years	61	1	1.6	37	9	24.3 46.1	98 45	10	10 2 22.2
	32 22	4	12.5 9.1	13	. 6	45.4	- 33	10	21.2
OU LO DU VASTS	6	2 2	33.3	11 2	ı	50.0	33 8 7	3	37.5
60 to 69 years 70 years and over	6			î	î	100.0	7	1	14.3
Total	216	15	7.0	122	34	27.9	338	49	14.5

Table 28.—Whooping cough: Deaths and death rates, cases and case rates, per 100,000 population, and percentages of deaths to cases, according to race, from 1896 to 1917, inclusive.

Year.	1)eat	hs.			rates ,000.	C	lases	i.		e rate 000 pop tion.		Percentage of deaths to cases.			
	w.	C.	Total.	w.	C.	Total.	w.	C.	Total.	w.	C.	Total.	w.	C.	Total	
1901-1905 1	27	50	77	12.0	53.0	25.0										
1906 1910 1	15	23	38		24.0	11.0										
911 1915 1	10	19	29		19.3						200 4			9.6		
.911	15	13			13.0		462	139						9.4		
.912	20	44			45.0		1,088	390						11.3		
913	3 5	14			14.0									8.9		
914	5	13	18	2.0	13.0						115.8					
1915	9	10			10.1									5.4		
1916	17				24.2									3 9	1.	
1917	8	10	18	2.8	9.7	4.6	885	128	1,013	301.7	124.7	255.8	0.9	7.8	1.	

Annual average for 4 years.

Table 28a.—Whooping cough: Reported cases and deaths, by race and by months, during the calendar year 1917.

2642	Wh	ite.	Colo	ored.	To	tal.
Month.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
anuary	49		23	1	72	
ebruary	89 95	1	8 15	1 2	97 110	
pril		1	15		138	
ay	135	2	9		148	
ine	115		10		125	
ılyugust	110 75	1	12 11	3	122 86	
eptember	19	2	5	2	24	
ctoper	22		10		32	
lovember	33		5	1	38	
December	20		5		25	
Total	885	8	128	10	1.013	

Table 28b.—Whooping cough: Cases and deaths, with percentage of deaths to cases at certain age periods, during the calendar year, 1917.

		White.	-		Colored.			Total.	
Age.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.	Cases.	Deaths.	Per cent of deaths to cases.
Under 1 year	62 380 371	2 6	3. 2 1. 6	10 56 50	3 7	30. 0 1. 3	72 435 421	5 13	6. 9
10 to 19 years 20 to 29 years 30 to 39 years 40 to 49 years	10 12						60 12 12		
50 to 59 years 60 to 69 years 70 years and over	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •					
Total	885	8	.9	128	10	7.8	1,012	18	1.

Table 29.—Population and deaths, by race, in the District of Columbia from pneumonia, broughitis, and congestion of the lungs, and from said diseases taken together, and showing also the death rate per 100,000 of each of such classes of deaths.

				Pneur	nonia.			Brone	chitis.	
Calendar year.	Popul	ation.	Wh	ite.	Cole	ored.	Wh	nite.	Colo	ored.
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1901-1905 1 11906-1910 1 1911-1913 1 1911-1912 1 1912-1913 1 1914-1915 1 1916-1917 1	217, 606 93, 719 210, 244 96, 696 255, 360 98, 453 251, 409 98, 159 254, 260 98, 676 255, 153 98, 144 255, 153 98, 144 255, 153 98, 144 255, 940 98, 809 250, 854 99, 143 293, 329 102, 618		219 246 262 278 251 207 242 333 305 330	101 102 103 110 99 81 95 129 117 113	288 304 285 310 274 277 226 338 299 306	307 314 289 316 278 282 282 232 342 302 298	55 61 51 49 50 58 46 52 39 40	25 25 20 19 20 23 18 20 15	80 67 42 38 45 41 50 35 38 19	85 69 43 39 46 42 51 36 38
	Popul	ation.	С	ongestio	n of lung	s.	Pneum		onchitis, of lungs.	and con-
Calendar year.			Wh	ute.	Colo	ored.	Wh	nite.	Cole	ored.
	White.	Colored	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1901-1905 1 1906-1910 1 1911-1915 1 1911-1915 1 1912-1913, 1 1914-1915.	217, 606 240, 244 255, 360 251, 409 254, 260 255, 153 256, 049 258, 940 260, 854 293, 329	93,719 96,696 98,453 98,159 98,676 98,144 97,615 98,809 99,143 102.618	33 27 13 19 22 9 9 5 5	15 11 5 8 9 4 4 2 2	25 13 7 11 9 12 3 3 4 2	27 13 7 11 9 12 3 3 4 2	307 334 326 346 323 274 297 390 349 381	141 139 128 137 127 107 116 151 134 130	393 384 334 359 328 330 279 376 341 327	. 419 397 339 366 332 336 286 381 344 319

¹ Annual average for 5-year period.

Table 30.—Births (stillbirths excluded) reported during the calendar year 1917, arranged by months, by race and sex, by number of children born, by legitimacy, and according to professional attendance at time of birth.

Manak			nite.	Col	ored.	Tw	rins.		giti- ite.	t	ended by icians.	Atte b midw	nded y vives.
Month.	Total.	Male.	Female.	Male.	Female.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
January February March March April May May June July August September October November December	563 653 655 577 592 647 689 637 626	232 196 241 246 215 217 231 246 246 225 216 247	204 194 213 202 199 209 222 241 209 222 204 214	103 73 100 101 78 86 93 93 90 83 84 87	107 100 99 106 85 80 101 109 92 96 89 93	6 2 8 4 6 6 6 12 10 117 4 12	2 4 6 6 2 6 10 8 6 2	12 8 11 9 16 13 11 11 6 11 4 8	48 28 41 46 27 35 39 26 30 33 28 38	410 369 433 422 392 407 432 457 427 417 403 449	189 155 180 183 147 145 183 182 160 162 152 155	26 21 21 26 22 19 21 30 28 30 17	21 18 19 24 16 21 11 20 22 17 21 25
Total	7,519	2,758	2,533	1,071	1,157	87	54	120	419	5,018	1,993	273	235

Table 31.—Reported births (stillbirths excluded) in institutions in the District of Columbia, by race and place of birth, during calendar year 1917.

Hospital.	White.	Colored.	All.
olumbia arfield eorgetown University. bibey	1 29 8 31 2	263 97 24 1 132 368 58 3	839 294 304 644 184 280 209 371 74 13 4 29 31
fission Hospital. vsahington Sanitarium. t. Elizabeth's. fouse of Mercy.	1 2,347	970	3,317

Table 32.—Births (stillbirths excluded) reported in the District of Columbia, arranged by race and by legitimacy and illigitimacy, and number of multiple births for the years mentioned.

	Legitimate.			Illegitimate.			Total.			Twins.			Triplets.		
Calendar years.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	AII.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 ¹ 1901-1905 ¹ 1906-1910 ¹ 1911-1915 ¹ 1916- 1917	2,712 3,335 4,533 4,690 4,961 5,171	1,380 1,499 1,786 1,769 1,813 1,809	4,092 4,834 6,319 6,459 6,774 6,980	86 95 99 104 81 120	491 481 482 464 403 419	577 576 581 568 484 539	2,798 3,430 4,632 4,794 5,042 5,291	1,871 1,980 2,268 2,234 2,216 2,228	4,669 5,409 6,900 7,028 7,258 7,519	71 72 84 78 83 84	42 52 46 52 45 54	113 124 130 130 128 138	1 1 1 1	2 1 1	1 2 2

¹ Annual average for 5-year period.

Table 33.—Stillbirths reported in the District of Columbia during the calendar year 1917, by race and sex, and certain data relative thereto.

Legitimacy:		
Legitimate 1	Sex un- known.	Total.
Period uterogestation: 4 months and under. 5 months. 9 14 12 9 1 7 months. 18 6 21 17 1 7 months. 25 15 17 16 2 9 months. 25 12 21 32 2 10 months. 10 months. 122 78 94 90 7 Total. 122 78 94 90 7 Reported by physi ians. 120 77 89 86 Reported by coroner. 2 1 5 4 7 Total. 122 78 94 90 7 Causes: Placenta previa. 4 2 1 1 1 Malpostition. 5 6 6 Malpostition. 5 6 6 Malpostition. 5 7 6 Malpostition. 5 6 6 Malpostition. 5 7 7 Malpostition. 5 8 8 8 Malpostition. 5 9 6 Malpostition. 5 6 6 Malpostition. 5 7 6 Malpostition. 5 7 7 Prenaturity 4 2 2 3 3 Congenital debitity 3 4 2 2 3 3 Congenital debitity 3 4 2 2 3 3 Placental separation. 1 1 2 3 8 8 8 Malpostition. 1 1 2 3 3 3 Placental separation. 2 2 2 2 Placental disease. 1 1 2 3 3 Placental separation. 2 2 2 2 Placental disease. 1 1 2 3 3 Asphyxia. 1 2 2 1 1 Cord around neck. 1 1 1 2 2 1 Cord around neck. 1 1 1 1 Cord around neck. 1 1 1 1 Cord around neck. 1 1 1	9 24	32 50 4
4 months and under. 5 months. 6 months. 9 14 12 9 1 7 months. 8 months. 18 6 21 17 2 8 months. 25 15 17 16 2 9 months. 25 15 17 16 2 2 10 months. Total. 122 78 94 90 7 Reported by physi ians. 120 77 89 86 88 88 88 88 88 88 88 88 88 88 88 88	9 24	42
Reported by physi ians	2 21 4 1 1 1 2 1	4 1 4 6 7 10 7
Total	9 24	42
Course C	9 24	37
Placenta previa	9 24	42
Fright	9 24	2
Otherwork of models 67 39 67 62 7 Total 122 78 94 90 7	9 24	4



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Deaths—			
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Deaths—			
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